

## Rowan University. Engineering Placement Preferences - Valencia

Please read through the descriptions of companies below and rank your top 3 choices. You must choose three different companies in your preferences.

While we will try our best to place you at one of your three preferences, the decision ultimately lies with the host organization and whether or not they feel you would be a good fit for their team. Please be advised, final job descriptions may vary from what is listed below.

### POSSIBLE PLACEMENT SITES

#### ENGINEERING

##### BEMORE 3D

BeMore3D is a young yet leading startup in the rising sector of 3D digital manufacturing. The company is currently developing and producing applications and products such as a 70m<sup>2</sup> house made of concrete. BeMore 3D is made up of a young team of entrepreneurs, the startup is the first 3D concrete company in Spain, and only the third worldwide.

The interns will collaborate with current projects the company is working on, mainly assisting with tasks such as commissioning 3D printing machinery, supporting design, characterization of materials, whilst also creating marketing strategies and managing social media platforms.

##### GRUPO TICE

Grupo T.I.C.E Ingenieros came about by putting different engineering disciplines together in order to offer the most complete service to meet customers' demands. They are made up of a highly qualified team specialized in different areas. The company works in many different sectors, which include commercial and residential buildings, civil engineering, industrial engineering, food, plastic, steel, automobiles, furniture, textiles, railways, ventilation systems, acoustics and vibrations, navy, photovoltaic and thermal solar energy, wind power, biomass, computers, electronics, servers, consultancy, turn-key projects, I+D+I installations, and product innovation development.

The intern will work on various projects related to their specific area of study and in fields they are interesting in learning more about. He or she will meet with the project manager and the customers to review potential opportunities. The student will maintain constant contact with the internship supervisor to discuss the progression of projects and to review completed projects. There is a possibility of developing new projects as well.

##### GENERAL DRONES

General Drones is a company specialized in the development of new applications with drones, especially for rescue and emergency services. General Drones are currently working on a rescue drone which will be installed on the beaches of Valencia and Sagunto (25 km North from Valencia). What's more, they provide geomatics services with drones and training classes for advanced RPAS pilots.

The intern will develop essential skills in this field by being involved with supporting the technical team, reporting on flight efficiency and effectiveness, designing and manufacturing support, researching ways in which equipment can be improved and carrying out data collection and analysis.

##### VLC PHOTONICS

The company is specialized in the development of solutions for different markets (mainly telecommunications) making use of Photonic integrated technology. This technology, similar to electronic integration technology, allows the miniaturization of complete optical systems in a photonic microchip, where light is used to generate, process, transmit and detect information. The advantages offered by this technology are dramatic reductions in size, weight and cost, improving performance and stability compared to traditional optical systems.

A prime function of the company is dedicated to designing, characterizing and testing customized optical ICs for all types of applications, outsourcing their manufacturing and encapsulation to different international suppliers.

The interns will assist multiple teams in the company. This is a role that requires multitasking, great organization, willingness to work in an exciting sector, hard work, commitment, an open mind to learn new concepts and initiative to add value to the teams with fresh ideas.

##### SOLATOM CSP

A startup focusing strongly on the renewable energy sector. The company aims and works to be the first solar transportable company in the market. Over 60% of energy is used for heating processes, not electricity, and so their proposal is to supply the manufacturing industry, at competitive prices, with a flexible, modular system and a plug and play assembly.

During the internship the student will help multiple teams to improve and present the platform to prospective clients and leads. The intern will be taught how to use the platform and he/she will be responsible for its maintenance and development. Any improvements that the intern suggests will be taken into consideration and developed accordingly. The right candidate should be comfortable working in a startup environment and aim to learn and grow within a fast-paced company.

### **WALLBOXOK**

Young and leading startup in the rising sector of electric vehicles. The company is currently developing and producing portable chargers for electric cars. The main tasks and duties of the intern student are all related to international marketing and branding of the startup.

### **CLEVERPY**

Cleverpy Machine Learning is a startup from Valencia, focused on developing solutions based on artificial intelligence technologies for large companies in sectors such as water, renewable energy and distribution. It also works with companies associated with public administration too.

Their business strives to provide consultancy services for these companies and while doing this they are constantly researching technological products and more effective tools to make the company bigger and more scalable.

### **MOLO URBAN MOBILITY**

Company specialized in shared electric mobility that offers its service in Valencia with a fleet of 125cc motorcycles.

The vision of the company is to revolutionize urban mobility through an integrated system that provides the user with a safe and intuitive system.

MOLO works through an App whereby the clients can find motorbikes that are close to your location, which you can then select and reserve the one you want to use. When you get to the motorbike you will have the means to activate it and take out the helmet, and then go!

This transportation system was developed by recognized partners at the international level and continues to develop and improve.

The mission of the company is to redefine urban mobility through a subscription service that is tailored to the user.

### **LOCALIXO**

Localixo is a startup that combines the best of the technological and tourism industries. Localixo is a smart virtual guide for travelers. The main tasks and duties of the intern are all related to marketing and branding of the company.

### **SEIDOR**

Seidor is a group dedicated to providing solutions in the field of information technology for both big and small companies. In 2005, they started to expand internationally and now have clients in Latin America, Europe, USA and the Middle East. They work with an extensive network of partners which includes, but is not limited to, important software and hardware manufacturers, system integrators and distributors. Today, Seidor is one of the few ERP implementors listed in the Top 50 Spanish IT companies. With a team of over 2,000 professionals, they guarantee the protection of technological investment within infrastructure and systems, as their expert team is certified by major manufacturers, therefore offering a personalized service with both flexibility and reliability to fit business requirements.

Available Services include Professional SAP Services, Professional Adobe, IBM and Microsoft Services, Strategic Consulting in Technology and Business, Technical Training, Processes Reengineering, Design and IT Infrastructure, Sustainable Migration to the Cloud, Integration of Systems and Technology, Digital Strategy Development and Social Media Marketing.

The intern will be in charge of the maintenance of applications developed in JAVA or FLEX, undergoing projects depending on the requirements of the customer, analysis and prioritization of project requirements, codification of the project requirements, testing project development and contributing to the development process in order to achieve the expected results.

### **NEURONAL BITE**

Neuronalbite is a company that has developed a unique web platform. This singular instrument contains automatized predictive models which increases sales for both small and medium E-commerce companies.

The intern's tasks will be focused on inbound marketing which consists of developing the website content, enhancing social network platforms, SEO etc. The intern will also be involved in contacting customers in the UK and US.

### **FAB SPACE**

The Valencia Fab Lab works on the development of projects related to digital manufacturing and its applications. Also, it is a center for training and research in the same field.

It is equipped with software and manufacturing machines that allow professionals, staff, interns and the university community, from entrepreneurs and students to companies and organizations, to transform all ideas and concepts into a reality and to accelerate the development of digital manufacturing.

The intern will be assigned tasks such as working and collaborating on current lab projects of the company, developing plans, making impressions of pieces in 3D, machining of pieces, assembling different components, managing and solving issues, and general maintenance of the lab itself and the instrument used. The supervisor would also like the intern to develop new projects and ideas during their stay.

### **UPV - I. Quintanilla**

Israel Quintanilla leads the development of projects related to drones and its applications. It also serves as a center for training and research in the same field. It is equipped with software and manufacturing machines that allow professionals, staff, interns and the university community, from entrepreneurs and students to companies and organizations, to transform all ideas and concepts into a reality and to accelerate the development of this upcoming industry. The intern will be assigned multiple tasks while working and collaborating on current projects the company has. He/she will be involved in the design, construction, flying and assembling of the projects. Tasks will be assigned by the intern supervisor based on current program needs and the intern's academic background and skills.

### **CEAM**

A research, development and technological innovation center that works to improve the Mediterranean environment. They focus on offering comprehensive proposals for environmental management concerning the atmosphere, ecosystems, human activities and their interactions.

CEAM's activities range from basic research to finding solutions for high priority environmental problems. They also work on the development of new technologies and applications which are set up as pilot projects so that any advancements made can be demonstrated on the management scale. Therefore, these activities are essentially pre-competitive R&D in nature. R&D activity also leads to scientific counseling tasks in the areas that CEAM's competencies cover, and it specifically contributes to environmental management policymaking on various levels, from the local level to that of the European Union. The intern will participate in experiments carried out in the high volume outdoor simulation chamber EUPHORE (European Photo Reactor). The intern will also assist in current projects and work alongside the supervisor to learn more in this field.

### **NEXT ELECTRIC MOTORS**

Next Electric Motors is a young startup company, currently operating under a top-tech hub, at the Lanzadera site. NEXT was created after its founders detected that the biggest barrier to the adoption of electric vehicles is their high purchase price and therefore they saw the chance to offer the consumer a real alternative to gasoline motorbikes.

The intern's duties are all related to the marketing and branding of the company; directing social media community management through multi-platforms, promoting products and content, identifying business opportunities in national and international markets, carrying out digital development on different media platforms, developing digital marketing strategies that support campaigns, translating content, analyzing trends and customer needs.

### **WOLFCUT**

Wolfcut is a B2B engineering firm that provides tailor-made projects to a variety of company in multiple sectors. The company is undergoing a notorious growth and students will learn from a multidisciplinary team of professionals capable of shaping the customer's needs.

They always seek to guarantee the best-quality services to customers in every stage of development taking into account the latest engineering and technology advances.

The student will be integrated into an experienced team to develop innovative projects where he/she will have the opportunity to participate in the different phases of the projects. Initially the student will be responsible for several exciting project.

Students must be proactive dynamic and committed, looking to work in fast-paced sector and a young and friendly environment that allows interns to grow, learn and develop.

### **SGS (SOCIÉTÉ GÉNÉRALE DE SURVEILLANCE / GENERAL SURVEILLANCE SOCIETY) SPAIN**

Multinational company with main offices located in Geneva (Switzerland) and more than 1,650 offices and laboratories around the world. It is the world's leading inspection, verification, testing and certification company, offering services that will help the clients to reduce risk, streamline processes and operate in a more sustainable manner in their business transactions.

Their core services include:

- Technical Assistance and Consulting
- Auditing and Certification
- Inspection and Supervision
- Verification / Testing

Grupo SGS España / SGS Spain is made up of various businesses from different sectors: industrial, environmental, transportation, etc. SGS Spain is a Technical Control Organization (OCT - Organismo de Control Técnico). They offer services in different areas: Geotechnical, Construction and Materials Laboratory, Public Works Control, Building.

The SGS group has built an international reputation founded on a commitment to quality based on individual and collective responsibility of all employees for the services they provide to customers worldwide.

They have no affiliation with manufacturers, trading companies or financial institutions that may compromise our independence. The guarantee of independence, professionalism, integrity and impartiality, as well as their international network, place them in a unique position.

### **GD ENERGY SERVICES, SLU (GRUPO DOMINGUIS)**

GD Energy Services SLU is an international company and leader in industrial services in the following areas: surface treatments, industrial maintenance, services to renewable energies, chemical cleaning and emergencies. Its degree of diversification positions the group as one of the companies with the most promising outlook in the energy market (nuclear, fossil and renewable, petrochemical and gas). Currently, Grupo Dominguis has a workforce of more than 1,400 professionals worldwide. This is a highly qualified customer-orientated team that provides added value solutions adapted to the specific needs of each project. It has a strong commitment to research, development and innovation. One of its main areas of growth is in technological development. The company aims to extend its operational field, continuously improving and supporting our clients.

The projects in which the student will be involved depend upon his or her field of study, experiences and areas of interests. The intern will provide support to the technical office by elaborating on different procedures. The intern will also have the opportunity to take part in some

provision of energy services projects.

### **IDAI NATURE, SL (INNOVATIVE AGRICULTURAL RESEARCH AND DEVELOPMENT)**

With several delegations in the Valencian Community, it is a young company, but simultaneously has great experience in the sector and is also part of an important business group. Their main objective is to satisfy agricultural needs in a natural and ecological way without leaving any residues. This is why they have high quality, innovative and technological products. They want these products to give another point of view to the present agricultural sector situation.

Therefore, they offer a lot of products like phytostrenghteners or nutritional products. The company has two fundamental commitments: to care for the environment and ecology, as well as research and develop new harmless and quality solutions. They intend to find solutions that solve agriculture problems. They are committed to advising the customers and to look for the solutions that are adapted to their needs.

Intern Tasks:

- Research and advice on how companies in the USA and other English speaking countries work in the field of agricultural research and development, from the point of view of finance, investment, subsidies, grants, support from the government, and investors.
- Research and advice on how taxes in English speaking countries work and how much companies pay for taxes.
- Research how important this economical field is in the economy of the country, also regarding import- export, and if the English speaking countries have its own production and if is not important to buy outside the country.
- Advice on the financial aspects of the business, comparing with other countries and Spain, to see some possible ways to improve the financial management of the company and the project.
- Research possible investors in the USA that are interested in IDAI NATURE and its products.

### **ZELEROS**

Determined to change the concept of mobility, they have created a team of engineers and business specialists who are transforming how to move around.

At Zeleros they believe that, as in any other development of a new mean of transport, collaboration is the key for the acceleration and integration of the development efforts in order to reach a fully interoperable system. Zeleros is partnering up with key industry leaders to make it a reality.

Zeleros works hand in hand with existing industries such as railway, infrastructure and aerospace, to integrate development efforts and accelerate development, demonstrating the full potential of collaboration.

### **ESCUELA DE CIENCIA**

Escuela de Ciencia is a pioneering educational center in Spain, specialized in science and technology. They have four large areas in which customers can learn and develop skills and projects in Science, Technology and Information.

Their method focuses on Project Based Learning (PBL). Each student works on his own project that he develops with the help and guidance of the teachers in the area. A specialized methodology in STEM education (Science, Technology, Engineering and Mathematics) adapted to the individual abilities and needs of each student.

The intern will have a variety of tasks across the course of the internship and will be required to show initiative, be punctual and be willing to learn and grow in a fast paced office environment.

### **LOGICUS ENGINEERING**

Engineering company specialised in the Industry that provides services to its clients in five areas of activity:

- Execution Projects for buildings and facilities
- Legalisation Projects
- Turnkey buildings and facilities
- Special engineering work
- Outsourcing of engineering departments

The Logicus Engineering organisational model and its team capitalise on more than 40 years of expertise in the development of projects for the implementation of new industries, integrating disciplines from various Engineering areas (Industrial, Civil, Agricultural, Telecommunications...) as well as Architecture.

They are backed by the knowledge and experience acquired in the operation of small, medium, and multinational industries in various sectors: Electronics, Metallurgy, Automotive, Chemical, Plastic, Ceramic...

In order to provide their services, they require close collaboration with their clients from the beginning of the projects to the end of the execution, since the solutions they develop must be perfectly integrated into the operations of their companies and must be consistent with their economic and strategic objectives.

## **QUATERNIUM**

Quaternium mission is to design the most advanced multirotor UAVs in the market. We combine experience and high tech to develop a disruptive product that aims to revolutionize the multicopter field. With this ultimate innovation, flight duration is increased 6 times compared to existing alternatives.

They invest in research and development of advanced unmanned aerial technologies to make them easier to use and more reliable for professional applications in the topography, farming and surveillance industries.

Reaching further while keeping our products simple is one of their core motos. They believe in progress through making things easier and accessible to more customers every day.

Quaternium is committed to ensure high-quality safety measures and follow best practices, with redundant security subsystems that prevent accidents in case of any type of failure.

## **IDOM**

IDOM is an independent multinational company that offers professional integrated services in Consulting, Engineering and Architecture around the world.

IDOM develops complete tools and infrastructures for astronomy, nuclear physics, research in atomic energy, medicine and other sectors that need the most advanced technology and innovative solutions. This is why IDOM mixes design and management when they work on multidisciplinary projects and use the top leading computer simulation techniques, paying attention to the creativity, realism and responsibility for the final performance of the product, learning from previous projects and experiences.

IDOM offers a wide range of services, adapted to the specific needs of every client, looking to optimize the investment, the deadlines and the efficiency of every project. IDOM works focus on providing the highest added value to their customers' projects.

## **ITV - ICE MAKERS (INGENIERÍA TÉCNICA VALENCIANA)**

Founded in 1981, ITV is currently a leading and prestigious company in the hospitality industry and specifically, in the manufacturing of ice machines.

Their product has been introduced into new markets thus creating a commercial network around the world that they are continuing to expand.

This effort has enabled them to establish themselves as an internationally renowned brand that remains at the forefront of technology innovation.

## **BLOCKCHAIN-LOGIC**

The mission of Blockchain Work Labs as a company is to be the trusted technological partner for companies that want to develop or integrate solutions with Blockchain technology.

They create, lead and visualize initiatives that contribute value to society and companies through Blockchain technology. They are an IBM certified partner in this technology, and responsible for a blockchain developmentline in Alastria, a specialized Blockchain consortium formed by more than half of the IBEX35 companies (the 35 largest companies in the Spanish stock exchange).

They have two locations in Valencia (one in the center of the city, and another in the Polytechnic University), and a secondary headquarters in the center of Madrid. The internship would be carried out in the city of Valencia.

After a phase of rapid national growth, the company is looking to expand globally. The main task of the student in the company throughout the internship will be to develop a new business plan with the CEO, communication and marketing for the company, focused on the expansion and recruitment of customers in Canada and the United States.

In addition, the student will be trained in understanding the potential of new technologies for business in one of the best technology centers in Europe.

## **OBREMO**

They are a company specialised in the provision of essential global services. They carry out engineering projects, installations, sales and all sorts of maintenance.

Their activity focuses on the operational management of public and private infrastructures at a national and international level in the water, telecommunications, gas, renewable energy, infrastructure, and electricity sectors.

They invest in quality and training to maintain and improve their know-how by aligning it with new technologies. To this end, they have obtained the quality certifications that accredit them as a reliable company committed to the satisfaction of the customers.