Gain invaluable
INDUSTRY EXPERIENCE
with one-off
INTERNSHIPS!

What is it?

6-month internship at Solar Analytics in one of the following programs:

- Photovoltaics/Renewable Energy Engineering
- Software Engineering/Computer Science
- Electrical Engineering
- Advanced Mathematics/Data Science & Decisions
- Marketing

Get a head start on your career with a one-off 6-month internship. Being awarded an internship by UNSW Co-op is an outstanding addition to your resume and an excellent opportunity for you to gain experience prior to graduation. The successful applicants will receive:
- $18,200 in total (paid via $698.08 fortnightly instalments, with balance paid on completion)
- a 24-week full-time placement beginning in 2018 offering 'real-world' industry experience, which is recognised on your UNSW AHEGS.

More information about the industry placement requirements can be found in the Internship Guidelines.

Eligibility

Applicants must be a permanent resident or Australian citizen and a full-time student currently enrolled in one of the degrees (single- or double-degree) listed above. A competitive candidate will have achieved a credit minimum in all courses and overall WAM. Some industry experience is preferable. Having met the academic and experience requirements, successful applicants are largely selected on their interpersonal skills and motivation.

If offered the internship, you must be prepared to:
- work 24 weeks full-time at Solar Analytics
- be enrolled in an internship course*; and
- study no more than two additional courses (preferably one) in Semester 2 2018. [Please take into consideration whether this will affect your program completion date.]

* UOC applied to this internship subject will not count towards your degree, nor attract a HECS fee, but will allow you to keep your enrolment status as a full-time student at UNSW.

Internship Summary

- Value: $18,200
- Program/s: Photovoltaics/Renewable/Electrical Engineering/Adv Maths/Data Science/Marketing
- Co-op ProgID: REN15-INT6R2
- Year in program: 3rd – 5th year
- Duration: 6 months
- Start date: July 2018
- End date: December 2018

Questions

If you have any further questions about the internship program, please contact our office. Once appointed, interns will be required to attend an Internship Briefing Session which will prepare you for the internship.

Application Form

Complete the application form online and upload as one merged document your:
- Academic Statement
- CV

Closes: 5pm, Friday 1 June 2018

Contact Information
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About Solar Analytics

Solar Analytics is a home energy management provider targeting residential customers with rooftop solar photovoltaic (PV) energy systems. Founded in 2011 by a team of passionate, world leading solar experts, Solar Analytics has developed a cloud-based data and analytics platform for local energy production and consumption. Solar Analytics analyses energy generation, local weather conditions and on-site energy consumption data to provide real-time insights and accurate alerts into PV system performance and energy management. Our mission is to help people navigate the changing energy landscape.

This is a rare opportunity to get valuable experience in a rapidly growing company as we expand into new technology and platforms in this increasingly active space. Growing at 10% month on month, our team of over 20 staff delivers our services to over 20,000 thousand customers across Australia, NZ and USA. With established partnerships with over 300 PV system providers and 5 utilities, we are on a rapid growth plan to become the world’s dominant solar home energy management provider.

The internship program

Solar Analytics has sponsored the UNSW Co-op program since our founding and our staff have over 20 years experience managing interns within this program. We now have a six-month vacancy in this program which we’d like to fill with a new intern.

There is a possibility to work in one of several teams, so please tailor your application to the area that matches your interests and experience. Our teams collaborate very closely, so having experience over multiple areas is beneficial, but not necessary.

Software development

Our Software development team is responsible for bringing to life the new features in our product and for squishing the bugs that inevitably occur in a rapidly changing environment. We run an agile development process and our technology stack includes Python, NodeJS, C++, PostgreSQL, SQLAlchemy, AWS, AngularJS, Django, Javascript, Git, JIRA
Relevant programs: Software Engineering

Algorithms and Analytics

This group includes solar and data specialists and is responsible for informing the technical side of product development, designing new solar performance diagnostic algorithms, analysing our vast database of energy data for industry-relevant insights and performing business analytics to ensure we continue to grow and fulfill our users’ needs. We typically work with Python, R, AWS, PostgreSQL
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Relevant programs: PV/RE Engineering, Maths, Computer Science

Product Management
Our product management team combines our company mission with user stories to build business cases for the developments that will improve our product and help us grow and to manage these through to implementation and validation.

Relevant programs: PV/RE engineering, Marketing

Customer Success
Our customer success team is the frontline of interaction with our users and installers. In this group, we analyse our monitored solar systems to diagnose faults with the help of our automated algorithms, guide new installers through the installation process and troubleshoot issues and respond to the questions that users and installers have about our product.

Relevant programs: PV/RE engineering

Marketing and Communications
Our marketing team manages our campaigns and brand position to our B2B customers (solar resellers) and to our end users, our communications through various social media and professional events, activation of communities associated with our product and design of our in-product communication

Relevant programs: Marketing, PV/RE engineering

Sales
Our Sales team focuses on the needs of our reseller partners to ensure continued growth in Solar Analytics installations, gaining insights into their problems and opportunities, collating feedback to bring to product development and testing pricing and subscription models to ensure long-term success.

PV/RE engineering, Marketing

Hardware
We have a number of hardware projects aimed at developing new applications for monitoring and control, for example EV charging, load control. The hardware team also assist with project specifications, site inspections, technical drawings and innovative system management solutions.

Relevant programs: Electrical Engineering, PV/RE engineering
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Candidate Requirements

You will need to have completed at least 3 years of a tertiary qualification in one of the above-mentioned degrees or a related degree and satisfy the following:

- Be inspired, innovative and passionate about your work;
- Demonstrate a high level of analytical and creative capabilities;
- Be able to work in a flexible and dynamic environment.

Solar Analytics values team members with alternative sources of inspiration. If you wish, please include in your application the life skills you have developed in pursuits you are passionate about outside of work and study.

Please send your resume and a cover letter to the Co-op office detailing which of the above groups you would like to apply to and why you are suited to Solar Analytics.