Nova Systems - Australia
Work Experience Program 2016

We are committed to solving the problems that really matter.

Founded in 2000, Nova Systems – originally Nova Aerospace Pty Ltd – has been an active partner in the professional services business for more than 15 years. Since its inception by Jim Whalley and Peter Nikoloff, Nova Systems has been proud to continually and successfully assist government and industry partners deliver some of the most complex acquisitions and in-service projects, allowing us to export Australian know-how and innovation to the world.

As a privately owned Professional Services Firm, we work on some pretty interesting, diverse and at time highly risky projects, meaning we are committed to giving all of our employees the opportunity to grow their skills, gain valuable experience and develop professionally across industries and across regions.

We operate in the Defence, Energy and Utilities, Communications and Transportation markets.

Our specialist services can be categorised as follows:

- Commissioning & Test;
- Capability Development & Delivery;
- Project Development & Delivery;
- Specialist Engineering & Design;
- Certification & Design Approvals;
- Operational & Systems Safety;
- Asset Management & Logistics; and
- Training (Registered RTO)

Work Experience - On the job training, on real-world, market-leading innovative projects

Nova’s work experience program provides participants with on the job training, tailored to suit specialist skill sets that contribute to solving the world problems that really matter.

Under guidance from a dedicated Mentor, participants are exposed to a broad range of engineering capabilities and a wide range of innovative projects that are aimed to develop and reinforce skills and competencies.

Nova offers an 8-12 week summer program for participants in over three states.

The timing of the program ensures studies are not impacted.

This year we are offering four different project areas in Adelaide, Brisbane and Canberra. More Information including eligibility requirements are on our website: http://novagroup.com.au/careers/work-experience/.

If you are interested to join Nova’s work experience program. Apply online via our website or by email (workexperience@novasystems.com), with your cover letter, CV and provide a maximum 250-word answer to ‘Which of our values resonates with you most and why?’.
FAQs
• When does Nova’s work experience program commence?
  We are flexible, our program runs once per year, commencing in November, or whenever your exams have been completed for the year.
• What is the minimum program length you offer?
  Our minimum program is 8 weeks. This is to ensure participants have exposure to a broad range of area’s within Nova.
• What if I want to extend my work experience program?
  We can absolutely extend your program! We do however aim to complete your program before you re-commence your studies in late February. We can easily extend to 12 weeks.
• What are the requirements to join the work experience program?
  You must be completing a Bachelor of Engineering. Students are eligible to join our program in Years 3 and/or 4.
• Are there any deadlines for applying?
  Whilst flexible, we aim to conduct all interviews over the last two weeks in October. So get your applications in before 17 Oct 16.
• How do I apply to join Nova’s work experience program?
  Apply online via our website or by email (workexperience@novasystems.com), with your cover letter, CV and provide a maximum 250-word answer to ‘Which of our values resonates with you most and why?’

Project Area 1 | UAV
At Nova, we are always pushing the limits of UAVs in Australia. If you are interested, then we need people who want to sync their teeth into Research and Development of:
  • Integrating Manned and Unmanned Systems to see how the two can perform better together than apart.
  • UAV - Quantitative Risk Analysis to identify hazards with various operations and potentially conduct flight testing and payload fitment to see if the underlying assumptions, controls or hazards are real.

Location
  • Nova Brisbane (Newstead Office)

Skills Required
  • Aerospace, Mechatronics, Electrical, Systems Engineering or Computer Science

Positions Available
  • 4-5

Project Area 2 | Autonomous Systems
Can you develop technology to allow a boat, a car or a mannequin to be monitored remotely to control them and/or pull data off them to monitor key attributes across satellite, 3G/4G networks or radio?

We put these things in weird remote places and so technology needs to be developed and tested. We need people who can make this happen.

Location
  • Nova Canberra (Fyshwick Office)

Skills Required
  • Aero, Mechatronics, Mech, Elec, Software, Systems Engineering and Computer Science

Positions Available
  • 5
Project Area 3 | Satellite Communications & Geospatial Information Systems
Telecommunication software tools and geospatial tools for mapping information. Be part of a team to see what new functionality can be developed on a new platform.

This can range from better management of communication systems through to syncing your teeth into sprint assessments (research and development) of COTS tools to identify how far they can be taken for different scenarios.

Location
- Nova Canberra (Fyshwick Office)

Skills Required
- Systems Engineering, Computer Science, or similar degree.

Positions Available
- 5

Project Area 4 | Auspace/Data Analytics
Nova is one of the major telecommunication companies in Australia, developing niche technologies and providing these services. We have developed a software platform, under our Auspace group, that allows Machine 2 Machine data transfer.

The projects offer the chance to see what else can be done from developing software interfaces to see if different systems can be connected through to Data Analytics to see what information/knowledge can be generated from semi unrelated information (we want people who can make 1+1=3).

Location
- Nova Adelaide (Mile End Office)

Skills Required
- Aero, Mechatronics, Mech, Electrical, Systems Software Engineering and Computer Science, or similar degree.

Positions Available
- 4-5