

Kevin T. Griffin

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Statement

Fourth year mechanical engineering major at UCSB in search of entry level position in design and controls.

Education

University of California, Santa Barbara

September 2013 – Present

Bachelors of Science – Mechanical Engineering, **GPA 3.91**

- Capstone project: Currently collaborating with NOAA to design and implement a mobile radar tower to monitor marine protected areas around the Channel Islands
 - Designing a forced convection electronics enclosure, solar power system, and software to manage battery life and prevent theft
- Cooperated with four other students to design and build a portable dishwasher
 - Awarded the most technical design in the junior design class
- Working knowledge of SolidWorks, LabVIEW, MATLAB, COMSOL, and Microsoft Office applications
- Utilized HSM and G-Code to build various parts on CNC mills and routers
- Lab experience with pressure, temperature, and displacement sensors
- Future courses: Advanced mechanical engineering lab (controls), robotics planning, and robotics design

Professional Experience

iCRco

July – September 2016

Mechanical Engineering Intern (Full-time)

July – September 2015

- **Design** – Lead: Aubrey Kelley-Cogdell
 - Co-designed the enclosure for the Claris XT CT machine
 - Designed sensor fixtures for instrument control
- **Procedures and Work Instructions** – Lead: Andrew Neushul
 - Revised procedures and work instructions to increase productivity
- **Production** – Lead: Mark Thomas
 - Assembled various components of digital and cassette radiography machines using hand tools and fixtures
 - Assisted with quality control, shipping, and receiving

Teledyne Imaging Sensors / Technologies Inc.

July – September 2014

Shared Intern between the Quality and EH&S Departments (Full-time, 20 hrs./wk. per dept.)

- **Shadowed a Quality Engineer** – Lead: Ron Ricafort
 - Inspected vendor production to ensure quality and compliance
 - Reviewed current designs for compliance with company standards
- **Procedures and Work Instructions** – Lead: David Edwards
 - Updated procedures and work instructions to better reflect current practices
 - Led team meetings to review and approve changes to quality documentation
- **Approved Suppliers List** – Lead: Glenda Tatge
 - Interfaced with customers to ensure compliance with ISO standards
- **Environmental Health and Safety** – Lead: Myrtle Lewis
 - Prepared PowerPoint presentations for employee safety training (OSHA)
 - Collaborated with department heads to prepare emergency action plans on SharePoint

Extracurricular Activities

- **Undergraduate Research** – **MATLAB GUI development under Professor Frederic Gibou**
 - Developed a MATLAB GUI for 3D visualization of seismic arrival times
- **Participated in SIMS, a paid internship program offered by CSEP and UCSB**
 - Worked cooperatively with other interns to research the use of gold nanoparticles in treating prostate cancer under mentor Dean Morales
- **Eagle Scout**