

Aaron Schnittger

10 Manfre Rd; Watsonville, Ca 95076; (831) 319-6080; aschnitt@mail.sfsu.edu; aaronschnittger@gmail.com

Skills

Familiar with: Solidworks, Creo [ProEngineer], Matlab, excel, mills, lathes, welding, and most hand tools.

Experiences

May 2016 - Present

San Francisco State University– *Student Research Assistant*

- Research assistant for a Low-GWP Commercial Refrigeration Feasibility and Cost-benefit Engineering Evaluation
- Using Matlab and Refrigerant modeling software REFPROP to establish the thermodynamic characteristics of alternative refrigerants.
- Laying out data from modeling software in Excel for comparative analysis based on performance, application, and Global Warming Potential.

January 2011 - February 2015

Kemper Refrigeration Inc., Watsonville – *Service Technician/Operator*

- Construction, retrofit, and start-up of hydrofluorocarbon, anhydrous ammonia, cascade, and secondary loop industrial cooling systems .
- Troubleshooting Refrigeration systems to optimize the cooling process, like compressor vibration analysis.

Summer 2011

Monterey Bay Aquarium Research Institute, Moss Landing– *Student Intern*

- Generated an effective shackle for ROV operations to protect the integrity of the MARS platform and a useful tool to streamline the launch and recovery of scientific experiments For MBARI operations.
- Worked effectively alongside engineers and marine operations to develop a product that satisfied the internship requirements.

Education

February 2015- May 2017

San Francisco State University – *Mechanical Engineering*

Emphasis: Mechanical Design, Materials, and Manufacturing Processes.

February 2009- May 2011

Cabrillo College; Aptos, Ca – *Associate of Science and Engineering*

Emphasis: Math, Physics, Chemistry, AutoCAD, Welding, and Machine Shop Safety.