
Kevan W.F. Gahan

611 Northwest 23rd Street, Corvallis, OR 97330 ♦ C: 503 828 8626 ♦ gahank@oregonstate.edu

Education

B.S. Mechanical Engineering - Oregon State University

Expected Spring 2018

- ♦ GPA of 3.71 as of spring term, 2017.
- ♦ **Minor in Aerospace Engineering**
- ♦ Selected courses: Introduction to Aerospace Engineering, Space Systems Engineering, Introduction to Mechanical Engineering Design, Mechanical Engineering Methods, Engineering Graphics and 3D Modeling.

Skills

3D Modeling using Solidworks, fabrication of mechanical components, mathematical modeling in MATLAB, project planning and management using Microsoft Project, working with mathematical systems and book-keeping in Microsoft Excel, solving thermodynamic systems using Engineering Equation Solver (EES), creation of geometry and meshing for finite element analysis using FEMAP.

I am a well-rounded individual who can demonstrate comfort in dealing with both technical endeavors and artistic creation.

Work Experience

Mechanical Engineering Intern, Columbia Helicopters, Inc. – Aurora, OR

April 2017-Present

- ♦ Performed fatigue coupon testing to assist in validation of the Columbia Model 234 Airframe fatigue life.
- ♦ Performed calculations to validate the structural integrity of multiple components that will be integrated into each Columbia-owned helicopter, and professionally displayed results in substantiation reports.
- ♦ Assisted with airframe finite element analysis computations using FEMAP.

Office Assistant, Northwest Construction Management – Wilsonville, OR

June 2016-December 2016

- ♦ Worked in-office assisting with book-keeping, file management and document control.

Assistant to Superintendent, LMC Construction – Tualatin, OR

June 2015-September 2015

- ♦ Worked on-site with project superintendents and sub-contractors to aid in the construction of a four-story affordable housing building in Beaverton, OR.
- ♦ Gained experience leading colleagues in a professional manner.

Summer Nanny, Clairmont Family – Lake Oswego, OR

June 2014-September 2014

- ♦ Charged with daily care, travel, and activities for two middle school aged boys.

General Laborer, Meisel Rock Product – Wilsonville, OR

June 2013-August 2013

- ♦ Performed manual labor, hauling of materials and landscaping.

Leadership and Awards

Experimental Sounding Rocket Association (ESRA) – Oregon State University

June 2017-Present

Payload sub-team lead member

June 2017-Present

- ♦ Concept generation, design, integration and manufacturing of an experimental payload that will be carried to an altitude of thirty thousand feet.

Order of Omega Greek Honors Society at Oregon State University

November 2016-Present

President of the Alpha Rho chapter

November 2016-Present

- ♦ Leader of the Oregon State Chapter of Order of Omega. In charge of overseeing all internal and external affairs related to the chapter.

Delta Upsilon International Fraternity – Oregon State Chapter

September 2014-present

Vice President of Associate Member Education

September 2015-January 2016

- ♦ Organized lesson plans and events to educate new members on operations of the chapter.

Oregon State University Honor Roll

December 2014-Present

Personal Interests

- ♦ Music – Guitar, singing, writing and recording songs, wedding entertainer.
- ♦ Athletics – Skiing (ski racing), weight lifting, wakeboarding, hiking.