JOHN WHITWORTH

(907) 887-9645 JOHNWHIT@ICLOUD.COM

EDUCATION

Stanford University

M.S. in Mechanical Engineering 2016 – now

- Cumulative GPA: 3.93
- Mechatronics Depth & Product Realization Breadth
- Boeing Scholarship for Mechanical Engineering

B.S. in Mechanical Engineering 2012 – 2016

- Cumulative GPA: 3.80
- BP Alaska Principal's Scholarship
- 2016 Stanford Award of Excellence
- President of Stanford Outdoors
- Residential Assistant in Four-Class Dorm

EXPERIENCE

Stanford Product Realization Lab june 2016 – now

Teaching Assistant

- Supervise and advise students in Stanford's maker lab
- Coach a small group of students in a Design and Manufacturing course

Stryker Sports Medicine june – sept. 2015

Research & Design Intern

- Designed and developed prototypes for a novel hip arthroscopy product
- Planned, ran, and analyzed experiments on RF ablation probe tips

SKILLS

Rapid Prototyping, CAD Modeling (SolidWorks), CAM Programming (HSMWorks), FEA, Manual & CNC Machining, Sand Casting, Mechanism Design, Mechatronic Engineering, DFM, HCI Design, Programming (C, Matlab, Python, Web, iOS), Digital Design Prototyping, Outdoor Skills Instruction, Tinkering