

# Matt Turner

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## EDUCATION

### University of California, Santa Barbara

*Bachelor of Science in Mechanical Engineering*

**Santa Barbara, CA**

Expected Graduation: June 2017

#### Applicable Coursework -

- ♦ Material Science, Mechanical Design, Biomedical Design
- ♦ 3D Solidworks CAD, design and drawings
- ♦ MATLAB probability and simulation
- ♦ Microsoft Office: Excel, Word, and PowerPoint
- ♦ Basic understanding of Circuits, Thermodynamics, Fluid Mechanics
- ♦ Complex Problem Solving; Physics (Mechanics, Waves, Electromagnetism, Optics, Relativity)
- ♦ Machine Shop Work; knowledge and experience with lathes, mills, band saws, tapping, sanding, as well as safety procedures

## EXPERIENCE

### Materials Processing Lab - UCSB Materials Department

*Developmental Engineering Intern | Hands-on Material Research Experience*

**Santa Barbara, CA**

September 2015 – Present

- 10-15 hours a week working in the Materials Processing Lab at UCSB
- Responsibilities include maintaining and supplying gas cylinders of wide variety, tube and oven furnace maintenance and application, mechanical and diffusion pump maintenance and improvements, electron beam laser assistance, plumbing and electrical tasks, and extensive knowledge and application of lab hardware and safety procedures

### Capstone Project with Northrop Grumman

*Senior Project | Thermal Testing*

**Santa Barbara, CA**

September 2016 – Present

- One of five mechanical engineering students designing and developing a Thermal Testing Apparatus for senior capstone project sponsor, Northrop Grumman
- Project requires extensive thermal heat transfer knowledge and analysis to design and build a new testing apparatus
- Weekly conference calls discussing design considerations and testing progress with 3 Northrop Grumman Engineers

### Technology Management Program

*Student | Technology Management Certificate Program*

**Santa Barbara, CA**

Summer 2016 - Present

- Enrolled in TMP Certificate Program focused on business strategy, entrepreneurship, sales and marketing
- Tackled many case studies, Capsim business simulation, and market research group projects
- Learned from renowned business individuals and entrepreneurs in close group settings

## LEADERSHIP & INVOLVEMENT

### Alpha Tau Omega Fraternity, Iota Nu Chapter - UCSB

*President | Signature Event Chair | Risk Management Chair*

**Santa Barbara, CA**

September 2013 - Present

- Led Iota Nu to win the most prestigious national award, True Merit, the first time Iota Nu has accomplished this feat
- Presidential responsibilities included external relations with the University, National Headquarters, and alumni, as well as internal duties of conducting meeting, overseeing recruitment, budgets, socials and brotherhood of our 125-member fraternity
- Public speaking, professional communication skills and time management were all strongly improved

### UCSB Summer Orientation Staffer

*Team Member | One of only Two Student Engineering Advisors*

**Santa Barbara, CA**

February 2015 – September 2015

- Led campus tours, delivered detailed presentations in front of large audiences, participated in Q&A panels for parents and students and gained experience meeting strict timelines/deadlines. Refined public speaking, communication and leadership skills
- Developed and conducted programs on diversity, transitioning, alcohol and drug use, getting involved and academic performance
- Provided paraprofessional advising to incoming engineering undergraduates on academic requirements and class registration

### Engineering Student Council, College of Engineering - UCSB

*Fundraising Chair | 3<sup>rd</sup> Year member of Exclusive Council*

**Santa Barbara, CA**

October 2013 - Present

- Council of 15 serves as the liaison between engineering undergraduates and COE faculty with responsibilities such as Geek Week, UCSB Engineering T-shirts, Commencement, and bringing student concerns to the faculty and COE staff's attention