

Ethan Engineer

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EDUCATION

Bachelor of Science in Mechanical Engineering

Arizona State University

Minor: *Materials Science & Engineering*

May 2020

Tempe, AZ

GPA: 3.57/4.00

TECHNICAL SKILLS

MATLAB

Python

CAD

SolidWorks2014

ADAPTIV

Java

MECHANICAL ENGINEERING EXPERIENCE

Mechanical Engineer Intern

August 2018- Present

Cree, Inc.

Mesa, AZ

- Create, modify, and maintain drawings associated with new product development
- Assist engineering and operations staff to schedule and execute pilots, including inspecting, preparing, and staging materials
- Aid with identifying and resolving pilot issues to proceed to high volume production pilot

Graduate Mechanical Engineer Intern

May 2018- December 2018

DJI Technology, Inc.

Palo Alto, CA

- Integrated and processed a variety of sensors such as IMU, GPS, cameras, depth sensors, & 3D sensors resulting in improved efficiency of mechanical processes
- Worked with product development team to drive final technology integration into product outcome

PROJECT EXPERIENCE

Freshman Design Project, *Fulton Schools of Engineering*

August 2018 – May 2019

Arizona State University

Tempe, AZ

- Collaborated on team of 10 to design and develop mechanics for high precision Lithography Systems that helped with the production of computer chips
- Developed manufacturing drawings utilizing AutoCAD, SolidWorks, and Inventor

Research Member, *Fulton Schools of Engineering*

August 2017 – May 2018

Arizona State University

Tempe, AZ

- Performed technical analysis necessary to interpret building operation and function
- Fostered team collaboration through organizing monthly meetings and acting as a liaison between the faculty member and research group

LEADERSHIP EXPERIENCE

Senator, *Undergraduate Student Government*

September 2018- May 2019

Arizona State University

Tempe, AZ

- Aided the finance committee which oversaw a budget of over \$100,000 and led negotiations and finance distribution to student organizations
- Contributed to policy changes including the initiative to ban tobacco usage on campus grounds

PROFESSIONAL & CAMPUS INVOLVEMENT

American Society of Mechanical Engineers, *Member*

November 2018- Present

Cultural Diversity Club, *Member*

September 2017- December 2017

National Engineer Conference, *Attendee*

March 2017 & 2018