

Work Experience

Google - Mountain View, CA

Software Engineer, July 2017 – Present

- Primary owner of 3 web applications responsible for interacting with a proprietary testing infrastructure. Optimized load times to improve performance by ~50%.
- Primary owner of a comprehensive service for highly configurable hardware regression testing on fleets of machines.
- Responsible for gathering requirements from cross functional teams to improve user experience.
- Write design documents for feature and architecture changes to gather design input from team members.

Forma Technologies - Plano, TX

Lead Developer, March 2017 – June 2017

- Lead developer in charge of designing/implementing architecture for a socially driven application.
- Presented and evaluated choices for data design, security and authentication, and three-tier architecture.
- Implemented this solution using Angular 4, Node.js, and PostgreSQL.
- Led a team of 4 through project development and deployment of a MVP.

NASA (Johnson Space Center) - Houston, TX

Intern, June 2016 - August 2016

- Developed an AngularJS application for Model Based System Engineering project lifecycle management.
- Gathered requirements to improve system for coordinating between NASA, Boeing, SpaceX and others.
- Delivered 11 instead of 2 planned modules, accelerating launch schedule by 2 months.
- Received *Outstanding Student Intern* award for significant contributions.

Stephen F. Austin State University (CS Dept/SFA 101) - Nacogdoches, TX

Teacher's Assistant, August 2013 - May 2016

- Lead Teacher's Assistant for Data Structures course in charge of grading all homework/projects for 80 students.
- Lectured course periods and assisted students in learning important concepts.
- Developed a new section of SFA 101, the freshman success class for assisting and mentoring STEM students.

General Electric (Oil & Gas) - Houston, TX

IT Leadership Program Intern (Infrastructure), June 2015 - August 2015

- Worked on infrastructure migration project upgrading the company's Enterprise Resource Planning systems.
- Developed plans for migration and coordinated 130 application teams through testing and transition phases.
- Won 1st Place in GE Innovation Contest for creating a factory analytics tool with a Raspberry Pi.

General Electric (Oil & Gas) - Houston, TX

IT Leadership Program Intern (Security), June 2014 - August 2014

- Worked on on cybersecurity team to evaluate security products, research bad actors, and report on threatscapes.
- Used threat analysis/mitigation tools to track malware and perform computer forensics.
- Developed a cyber intelligence portal to consolidate and report interactive/real-time threat information.

Languages

Python | JavaScript | HTML | CSS | Java | C | C++ | Objective-C

Education

Stephen F. Austin State University (Nacogdoches, TX)

Graduated in May, 2017

BS in Computer Science & BS in Mathematics

Summa Cum Laude, Cumulative GPA 3.970/4.000

Awards/Recognition

Organizations and Societies

- **President and Member, [Upsilon Pi Epsilon](#) (Computer Science Honors Society)**
- **Member, [Pi Mu Epsilon](#) (Mathematics Honors Society)**
- **University Scholar and Member, SFA School of Honors**

Awards

- **Stephen F. Austin College of Science Outstanding Graduate, 2017**
Selected as the outstanding student for the College of Science and Mathematics class of 2017.
- **Stephen F. Austin Department of Computer Science Outstanding Graduate, 2017**
Selected as the outstanding student for the Department of Computer Science class of 2017.
- **Upsilon Pi Epsilon Executive Council Award, 2016**
Commendation and scholarship awarded to excellent students in Computer Science.
- **NASA Outstanding Student, 2016**
One of two students awarded the Outstanding Student award for significant contributions to the space program.
- **1st Place, GE Innovation Contest (Team award), 2015**
Factory Analytics Sensor: I was the primary developer for a factory sensor developed using a Raspberry Pi. This sensor cost a total of \$40 and uploaded data to a custom tool suite providing metrics and alerts.