

- OBJECTIVE** Passionate software engineer with experience and education in high quality software design and software product development. Strong technical communicator who learns fast and digs deep to solve problems.
- EDUCATION** **Texas A&M University**, College Station, TX *December 2020*
Pursuing Bachelor of Science in Electrical Engineering
Pursuing minors in Computer Science and Mathematics
Cumulative GPA: 3.80
- SKILLS** **Languages:** JavaScript, TypeScript, Python, SQL, Bash, Java, C/C++, PHP, MatLab, Verilog
Frameworks: Angular, Node.js, Vue.js, Flask, Proxmox, Druid, Kafka, JSON schemas
Other: Git, UI/UX design, HTML, CSS, Linux, Linux networking, machine learning, agile, scrum
- WORK EXPERIENCE** **National Instruments**, Austin, TX
Software Engineering Intern, Real Time OS *May 2020 – August 2020*
- Architected and implemented a Proxmox hyper-converged (HCI) service for Linux Real Time VMs
 - Wrote and documented an API for interacting with the VM service using Python, Flask, and Bash
 - Upstreamed contributions and interacted with open source communities
 - Created user stories and work items from design discussions with client teams
- Software Engineering Intern, Web* *May 2019 – August 2019*
- Researched and prototyped a solution for speeding up test data report generation and visualization
 - Developed a Druid and Kafka database system to ingest and analyze big data
 - Implemented multi-threaded computing and scalable infrastructure to scale the Druid system
- PROJECT EXPERIENCE** **Gradebook**, www.gradebook.app *June 2018 – Present*
Founder and Developer
- Built and maintained a free online tool to help over 10000 students monitor grades
 - Created an Angular web application using a Node.js backend and CI/CD
 - Led a partnership of 3 to further advance and monetize Gradebook
- Drone Crop Health Monitor** *August 2019 – May 2020*
Routing and Navigation Lead
- Wrote a python script to generate navigation waypoints and camera trigger points from user input
 - Debugged drone manufacturer API and integrated it with my high-level application
- Rocket Engine Design Team** *January 2019 – September 2019*
Controls Sub-team
- Selected for a team aiming to construct nations first undergraduate-built liquid rocket engine
- LEADERSHIP** **Texas A&M Student Engineers' Council** *February 2018 – Present*
Society and Graduate Relations Chair *May 2019 – May 2020*
- Planned and executed events to allow networking between engineering organizations at Texas A&M
 - Managed a budget of over \$10,000 and led a committee of 10
- Career Fair Coordinator* *March 2019 – September 2019*
- Planned and executed "Welcome Social" event with a budget of \$12,500
 - Helped expand career fair to a new location, growing the number of companies to over 500