

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 Pursuing Bachelor of Science in Electrical Engineering Pursuing minors in Computer Science and Mathematics Cumulative GPA: 3.80	December 2020	
SKILLS	Languages: JavaScript, TypeScript, Python, SQL, Bash, Java, C/C++, PHP, MatLab, Verilog Frameworks & Tools: Angular, Node.js, Vue.js, Flask, Machine Learning, Proxmox, Druid, Kafka Other: Git, UI/UX design, HTML, CSS, Linux, Linux networking, JSON schemas/validation, agile, scrum		
WORK EXPERIENCE	National Instruments , Austin, TX <i>Software Engineering Intern, Real Time OS</i>	May 2020 – August 2020	
	<ul style="list-style-type: none">Architected and implemented a Proxmox hyper-converged (HCI) service for Linux Real Time VMsWrote and documented an API for interacting with the VM service using Python, Flask, and BashMerged upstream contributions and interacted with open source communitiesDelivered on user stories and work items devised from design discussions with client teams		
	<i>Software Engineering Intern, Web</i>	May 2019 – August 2019	
	<ul style="list-style-type: none">Pioneered a novel solution for speeding up test data report generation and visualizationDeveloped a Druid and Kafka database system to ingest and analyze big dataImplemented multi-threaded computing and scalable infrastructure to scale the Druid system		
PROJECT EXPERIENCE	Gradebook , www.gradebook.app <i>Founder and Developer</i>	June 2018 – Present	
	<ul style="list-style-type: none">Built and maintained a free online tool to help over 10,000 students monitor gradesCreated an Angular web application using a Node.js backend and CI/CDDesigned frontend with focus on innovative visual insights, user experience, and accessibilityDirected a partnership of 3 to further advance and monetize Gradebook		
	Drone Crop Health Monitor <i>Routing and Navigation Lead</i>	August 2019 – May 2020	
	<ul style="list-style-type: none">Wrote a python script to generate navigation waypoints and camera trigger points from user inputHeaded debugging drone manufacturer API and integration into team's high-level application		
	Rocket Engine Design Team <i>Controls Sub-team</i>	January 2019 – September 2019	
	<ul style="list-style-type: none">Introduced microcontroller sensor and communications systems to team for centralized data reporting		
LEADERSHIP	Texas A&M Student Engineers' Council <i>Society and Graduate Relations Chair</i>	February 2018 – Present	
	<ul style="list-style-type: none">Planned and executed events to allow networking between engineering organizations at Texas A&MManaged a budget of over \$10,000 and guided a committee of 10		
	<i>Career Fair Coordinator</i>	March 2019 – September 2019	
	<ul style="list-style-type: none">Spearheaded "Welcome Social" event with a budget of \$12,500Oversaw career fair expansion to new location, growing company roster to over 500		