

EDUCATION	University of Wisconsin - Madison B.S. in Computer Science 3.9/4.0 Cumulative GPA	Madison, WI <i>Expected Dec 2021</i>
PROFESSIONAL EXPERIENCE	Zendesk Software Engineering Intern <ul style="list-style-type: none">Collaborated closely with local and global team members to build large scale, efficient, and safe CI/CD pipelines that deploy to over dozens of servers globally for 300 million end users. TDS Telecom Software Engineering Intern <ul style="list-style-type: none">Addressed regular production bugs and improvements in enterprise Java applications using JIRA to prioritize tasks and utilized CI/CD pipelines for rapid development and deployment.Developed Python script that used the ArcGIS API to automate uploading service definition files to and from a remote server, increased upload speeds by 80%.Developed, refactored, and upgraded legacy Perl web applications and scripts on an Operations Support Systems (NetExpert) server, which interacted with internal RESTful services and SQL servers. Web applications used by more than 1,000 field technicians. Juni Learning Computer Science Instructor <ul style="list-style-type: none">Individually taught 8 students aged 8-16 Scratch, Python, and Java (AP Computer Science).Selected to be one of the few trial instructors to represent Juni Learning to prospective students. Successfully taught trial sessions resulting in more than 50% enrollment rate.Taught with a pedagogical philosophy based on project-based learning and praxis. Emphasized critical thinking and risk-taking during lessons by presenting myself as a knowledgeable collaborator rather than an source of infallible facts. NASA 2019 Student Launch Initiative Chief Hardware Engineer <ul style="list-style-type: none">Developed full stack application for our project: <i>Measurement of Aerosols in Lower Atmosphere Using Optical Detection</i>.Included communication between payload and telemetry module to ground computer using a XBee module using serial communication. Ground computer had a Python backend which used SciPy and pandas to parse through and analyze telemetry and payload data. Bootstrap frontend for interactive dashboard with live 3D model tracking the gyroscope sensor. Yu Lab (University of Wisconsin - Madison) Research Intern <ul style="list-style-type: none">Researched various genes in the <i>Aspergillus</i> genus and their effects on sporic life cycle.Inoculated various fungal cultures with target genes knocked out and performed western blot on those samples.	Madison, WI <i>Oct 2020 – Present</i> Madison, WI <i>Sept 2019 – Oct 2020</i> Remote <i>Sept 2019 – Jan 2020</i> Madison, WI <i>Sept 2018 – June 2019</i> Madison, WI <i>Feb 2018 – Sept 2018</i>
SKILLS	Programming Java, Python, Perl, C, MATLAB, SQL, Bash, HTML, CSS, Javascript Tools Terraform, AWS, Spinnaker, Git, JIRA, Jenkins, *nix, \LaTeX Languages English, Korean Miscellaneous Red Cross Adult and Pediatric First Aid/CPR/AED Certification	
AWARDS	<ul style="list-style-type: none">Foreign Language and Area Studies (FLAS) Fellowship, U.S. Department of Education 2020STEM Engagement Award (2nd), NASA Student Launch Initiative 2019Altitude Award (3rd), NASA Student Launch Initiative 2019Social Media Award (2nd), NASA Student Launch Initiative 20191st Place, Rocket for Schools Competition (cooperation with Gilroy and Ane Lab) 2018, 2019National Finalist, Team America Rocketry Challenge 2018	