

PROFESSIONAL EXPERIENCE	<div><div><b>TDS Telecom</b> <b>Software Engineering Intern</b></div><div>Madison, WI Sept 2019 – Present</div><ul style="list-style-type: none"><li>Addressed regular production bugs and improvements in enterprise <b>Java</b> applications using <b>JIRA</b> to prioritize tasks and utilized <b>CI/CD</b> pipelines for rapid development and deployment.</li><li>Developed <b>Python</b> script that used the <b>ArcGIS API</b> to automate uploading service definition files to and from a remote server, increased upload speeds by 80%.</li><li>Developed, refactored, and upgraded legacy <b>Perl</b> web applications and scripts on an Operations Support Systems (NetExpert) server, which interacted with internal <b>RESTful</b> services and <b>SQL</b> servers. Web applications used by more than 1,000 field technicians.</li></ul></div> <div><div><b>Juni Learning</b> <b>Computer Science Instructor</b></div><div>Remote Sept 2019 – Jan 2019</div><ul style="list-style-type: none"><li>Individually taught 8 students aged 8-16 <b>Scratch</b>, <b>Python</b>, and <b>Java</b> (AP Computer Science).</li><li>Successfully taught trial sessions resulting in more than 50% enrollment rate.</li></ul></div> <div><div><b>NASA 2019 Student Launch Initiative</b> <b>Chief Hardware Engineer</b></div><div>Madison, WI Sept 2018 – June 2019</div><ul style="list-style-type: none"><li>Developed full stack application for our project: <i>Measurement of Aerosols in Lower Atmosphere Using Optical Detection</i>.</li><li>Included communication between payload and telemetry module to ground computer using a <b>XBee</b> module using serial. Ground computer had a <b>Python</b> backend which used NumPy and pandas to parse through and analyze telemetry and payload data. <b>Bootstrap</b> frontend for interactive dashboard with live 3D model tracking the gyroscope sensor.</li></ul></div> <div><div><b>Yu Lab (University of Wisconsin - Madison)</b> <b>Research Intern</b></div><div>Madison, WI Feb 2018 – Sept 2018</div><ul style="list-style-type: none"><li>Researched various genes in the <i>Aspergillus</i> genus and their effects on sporic life cycle.</li></ul></div> <div><div><b>West High School</b> <b>AP Calculus &amp; Algebra Teaching Assistant</b></div><div>Madison, WI Sept 2017 – June 2018</div><ul style="list-style-type: none"><li>Spent 1 year extensively helping students with classwork, homework, and test reviews.</li></ul></div>
EDUCATION	<div><div><b>University of Wisconsin - Madison</b> B.S. in Computer Science 3.95/4.00 Cumulative GPA Relevant Coursework: Discrete Mathematics, Linear Algebra, Multivariable Calculus, Data Structures, Algorithms</div><div>Madison, WI Jan 2020 – Dec 2022</div></div>
SKILLS	<div><b>Programming</b> Java, Python, Perl, C/C++, SQL, Bash, HTML, CSS, Javascript</div> <div><b>Tools</b> Vim, Tmux, Git, JIRA, Jenkins, *nix, L<sup>A</sup>T<sub>E</sub>X</div> <div><b>Languages</b> English, Korean</div> <div><b>Miscellaneous</b> Red Cross Adult and Pediatric First Aid/CPR/AED Certification</div>
AWARDS	<ul style="list-style-type: none"><li>Foreign Language and Area Studies (FLAS) Fellowship, U.S. Department of Education 2020</li><li>STEM Engagement Award (2nd), NASA Student Launch Initiative 2019</li><li>Altitude Award (3rd), NASA Student Launch Initiative 2019</li><li>Social Media Award (2rd) , NASA Student Launch Initiative 2019</li><li>1st Place, Rocket for Schools Competition (cooperation with Gilroy and Ane Lab) 2018, 2019</li><li>National Finalist, Team America Rocketry Challenge 2018</li></ul>