

## EMPLOYMENT

Software Intern	Copious Imaging	Summer 2021
WISP Analysis Tool Optimization		
<ul style="list-style-type: none"><li>Updated 2-year-old Python codebase to be compatible with new file formats being used to train machine-learning algorithms and wrote detailed documentation for my updates and the tool's functions.</li><li>Improved compatibility of Analysis Tool with different types of data (primarily ocean and ground data).</li><li>Worked with Matplotlib and NumPy for data visualization of comparison metrics between truth data and captured data.</li></ul>		
Data Management Automation		
<ul style="list-style-type: none"><li>Developed tool to automate the creation of custom data pointer files using Python.</li><li>Cut down on manual data entry time from ~30 seconds per file to less than a minute for hundreds of files.</li></ul>		
Westford Academy House Staff	Town of Westford	September 2019 – June 2021
<ul style="list-style-type: none"><li>Managed the technical side of school events and communicated with event coordinators.</li><li>Managed the safe removal and storage of lighting equipment and theatrical sets for the drama department.</li></ul>		

## EDUCATION

University of Massachusetts - Amherst	Current GPA: 3.929	Expected May 2025
<ul style="list-style-type: none"><li>B.S. in Computer Science with a planned graduation date of May 2025.</li><li>Relevant Undergraduate Coursework:</li><li>Fall 2021: Calc I, Programming with Data Structures course and a seminar on the History of Computing.</li><li>Spring 2022: Calc II, Programming Methodology course, C course, Comp Sci Tutoring course, Robotics course.</li></ul>		
Westford Academy	Final Weighted GPA: 4.09	Fall 2017 – June 2021
<ul style="list-style-type: none"><li>Graduated June 2021</li><li>Relevant coursework: AP Computer Science A, Honors Data Structures, Honors Calculus.</li></ul>		

## PROJECTS (ALL IN GITHUB)

- Face and Hand Recognition GUI App (Winter 2022); Python**  
Tkinter GUI app using pre-made face- and hand-detection models in OpenCV.
- Hack UMass 2021 Project: Compliment Bot (Fall 2021); Python**  
Raspberry-Pi-based remote-controllable car equipped with proximity sensors and text-to-speech capabilities. Eye tracking using OpenCV coded but not fully implemented by end of hackathon.
- Various Other School Projects ("all-java" on GitHub) (Fall 2019 – Spring 2021); Java**  
Projects and UML diagrams for a variety of high school projects from AP Comp Sci and Data Structures classes.

## LANGUAGES AND TECHNOLOGIES

- Java; SQL; Python; Linux terminal interfacing; Git; some C/C++.
- PyCharm; IntelliJ/Eclipse; DB Browser; PuTTY/WinSCP; GitLab/GitHub; Visual Studio Code; Debugging tools.

## ADDITIONAL EXPERIENCES AND AWARDS

- E-Board-in-training position for UMass Cybersecurity club, also a member of the machine learning club
- High Honors achieved for all semesters of high school and scores of at least 4 on all AP exams taken.