

Education

University of Massachusetts Lowell - Lowell, MA*Bachelor of Science, Computer Science*

Anticipated May 2023

*Minor: Mathematics***GPA:** 3.648**Honors:** Deans List, John and Abigail Adams Scholarship, Immersive Scholars Scholarship, Dean's Scholarship**Relevant Coursework:** Computing I-IV, Assembly Language, Logic Design, Computer Architecture, Calculus I-II, Discrete Structures I-II, Life Science I, Into to Philosophy and Critical Reasoning, Probability and Statistics**Clubs:** Club Hope, UML A.C.E, Robotics Club**Skills**

- **Programming Languages:** Python, C, C++, MIPS, x86
- **Operating Systems:** Windows 7/8/10, Linux
- **Software:** Ghidra, Oracle VM VirtualBox, Photoshop, Powerpoint, Excel
- **Development Software:** Visual Studio Code, GDB, MARS, Valgrind, ROS
- **Other:** Computer Building, Software and Hardware Repairs, Professional Development, Presentations
- **Familiarity/Interest in:** SQL, Ruby, HBase, R

Relevant Experience/Projects

*Giant Leap Intern, Vaisala***May 2022 – Aug 2022**

- Refined goals with stakeholders.
- Cleaned and analyzed data and creating visualizations and reports.
- Worked with Service Center personnel to learn about the operations and how existing data was generated.

*Honors Fellowship (Analysis, Conversion, and Consolidation), UML***Mar 2021 – Sep 2021**

- Created "getter" algorithms to aid in converting sources (PDFs, IMG, HEIC, etc.) to TXT files.
- Implemented algorithms to consolidate large amounts of data.
- Created visualizations of algorithmic time and complexity.
- Worked closely with Python to facilitate documentation and expedite assembly of entire books.
- Analyzed gothic literature.

*Deep Learning Intern, PeARL Lab, Lowell MA***May 2020- Aug 2020**

- Integrated algorithms and plotted data using machine learning tactics with Python and C++.
- Applied graph data to record patterns and report them at scheduled times.
- Attended 2-week boot camp sessions centering around ROS (Robot Operating System) to grow a deeper understanding of the framework of robots.
- Worked closely with the UR5 collaborative arm robot.

Additional Work Experience

*Teaching Assistant – Kumon***Feb. 2019 – May. 2020 | Burlington, MA**

- Provided attention, creating discipline, fostering positive reinforcement, and instruction at each session.
- Developed excellent interpersonal and communication skills with adults and children- in addition to a friendly demeanor.

*Hygienist's Assistant – Dental Care of Burlington***May. 2019 – Aug. 2019 | Burlington, MA**

- Assisted in multiple dental cleanings.
- Booked and managed appointments/patient information