MICHAEL LEUNG

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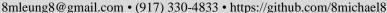
::Technical Skills::
Python, Java, C, C#, HTML, CSS, JavaScript, React, Linux

EDUCATION |

University at Buffalo (SUNY) • Buffalo NY   Anticipated Graduation: **December 2025** (7 Semesters)
Bachelor of Science in Computer Science, GPA: 3.81
- Dean's List (all semesters) and Recipient of the "Pride of NY Scholarship".
- *Relevant Coursework*: Software Engineering development process, Software Quality in Practice, Web development, Data Structures, Algorithms, Assembly Language Programming, Discrete Structures, Linear Algebra, Statistics, Probability
- *Spring 2025:* Artificial Intelligence, Machine Learning, Software Project Management.

WORK EXPERIENCE |

University at Buffalo • *Department of Computer Science* • Buffalo NY   **August 2024 - Present**
Undergraduate Teacher's Assistant
- Lead office hours for 70+ students in the CSE 306LLB-Software Quality in Practice class.
- Instruct on essential software tools such as GNU GDB, gprof, gcov, callgrind, and git to help students debug and improve their code in team projects.
- Conduct problem solving lab sessions 2 times a week for 20+ students, providing them with solutions in a interactive environment.

Bayside High School • Queens, NY   **Oct 2021 - May 2022**
Math Tutor (Volunteer)
Tutored 2+ students weekly in Geometry, Algebra I, and Algebra II and led them to an overall improvement in their grades.

RESEARCH EXPERIENCE |

University at Buffalo • Buffalo NY   **August 2024 - Present**
Undergraduate Research Assistant
Developing a software called Autolab that automatically grades work that students from the University at Buffalo submits.
- Collaborating with a group of four other students, displaying an efficient functional team.
- Building the auto grading pipeline and frontend.
- Managing the gradebook for each listed course.

TECHNICAL PROJECTS | **[WEBSITE]** | **[GitHub]**

Product Price Tracker
- Scraped macys.com to track products from over 25 private brands and store their prices in MongoDB, utilizing Python Flask for the backend API and JavaScript for a responsive frontend.

Sudoku Solver
- Developed a Sudoku solver in Python which allows users to engage in various puzzles, offering the ability to reset and quickly solve them using the backtracking algorithm.

TRAINING & CERTIFICATION

Google Cybersecurity Certificate   **June 2023 – August 2023**
Foundations of Cybersecurity, Manage Security Risks, Networks and Network Security, Linux and SQL, Assets, Threats and Vulnerabilities, Detection and Response.

University of Minnesota Software Development Lifecycle Certificate   **July 2024 – August 2024**
Software Development Processes and Methodologies, Agile Software Development