

# 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 an 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.

### Tournament Organizer

- Developed a C# application enabling users to create and manage tournaments, including generating brackets and assigning prizes.

## 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