

# James Liu

jamesliu@bu.edu | 917-889-4771 | [Portfolio](#)

## EDUCATION

### BOSTON UNIVERSITY *Boston, MA*

May 2027

- B.A. in Computer Science; GPA: 3.91/4.00; Dean's List 2023-2024; Computer Science Honors Society
- Activities: AI Society, CS Club, Game Development Club, Stock Trading Club, Tri-Alpha Honors Society
- Relevant Coursework: Intro Computer Science I & II, Discrete Math, Computer Architecture, Computational Probability, Algorithmic Analysis, Linear Algebra, Foundations of Data Science

### BERGEN COUNTY ACADEMIES *Hackensack, NJ*

September 2019 - June 2023

- High School Diploma in the Academy For Medical Science Technology; GPA: 3.70/4.00; Honor Roll
- Relevant Coursework: Intro to SQL, Foundations of Computer Science, AP Calculus, AP Statistics

## PROFESSIONAL EXPERIENCE

### LD TRUE - Web Development Intern *Boston, MA*

June 2024 - Present

- Continued development of a dynamic and responsive e-commerce store by leveraging the MERN Stack
- Facilitated transfer of assets and data from old site to the new platform, and established a database setup

### COMPSCILIB - Technical Beta Tester *Remote*

January 2024 - June 2024

- Collaborated with CompSciLib's development team to identify bugs and assisted in implementing new UI
- Tested and offered feedback on unreleased AI graph software, improving experience for thousands of CS students

### BOSTON UNIVERSITY IT HELP CENTER – IT Specialist *Boston, MA*

August 2023 - Present

- Provided live support across Boston University's campus during classroom technology emergencies
- Performed routine maintenance and technical checkups during opening and closing hours
- Monitored tickets regarding reported client hardware, software, and internet issues

### HOMEGOODS – Compactor Operator/Logistics Coordinator *Paramus, NJ*

June 2023 - August 2023

- Unloaded trucks of 1,800+ boxes of merchandise before store opening hours
- Operated compactors to eliminate packaging waste in associate workspaces, optimizing store performance

### MEADOWLANDS RESEARCH INSTITUTE – Lab Analyst Intern *Lyndhurst, NJ*

October 2022 - June 2023

- Collected water samples in 14 distinct locations across the Hackensack River for annual quality analysis
- Performed audits, distillations, titrations, evaporation, and calibrations to support ongoing research in laboratory
- Drafted and peer edited annual elevation change report, using data across 5 land-based sites
- Analyzed, organized, and updated annual environmental, sensor, and inventory data through Microsoft Excel

### YMATH – Non-Profit Mathematics Tutor *Bergen County, NJ*

December 2021 - June 2023

- Offered one-on-one math tutoring sessions to families across Bergen County unable to pay for a tutor
- Taught grades 2-12 on all topics ranging from basic arithmetic to AP Calculus and SAT/ACT Prep

## PROJECTS

### PlotPoint Anthology (Present)

September 2024 - Present

- Currently building a website for archiving PlotPoint magazine history using Angular, Bootstrap, and TypeScript

### Weathermatic

August 2024 - October 2024

- Developed a lightweight and responsive weather app leveraging WeatherAPI, Flask, and Bootstrap frameworks
- Site offers real-time weather updates across all documented regions on Earth, with user adjustable interface

### InstaScan

January 2024 - March 2024

- Created command-line interface software, allowing clients to easily retrieve Instagram follower statistics through a copy and paste to circumvent API rate limiting, including file generation for documenting
- Next feature: Pre-written files insertion to track changes (i.e: Unfollows, new follower gains, username updates)

### SnakeBrokers

October 2023

- Built a 2 player stock market and turn-based Snake simulation through use of the Java Swing GUI library
- Stock charts animated on a turn-by-turn basis to scale, and are affected by snake actions, adding strategic aspects

### Eight Puzzle Solver

August 2023

- Designed a solver for the Eight puzzle with different known solution search algorithms (Greedy, BFS, DFS, A\*)