

James Liu

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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 to Computer Science I & II, Discrete Math, Computer Architecture, Computational Probability, Algorithmic Analysis, Linear Algebra, Foundations of Data Science, Intro to Artificial Intelligence, Web Development, Mobile App Development

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

- 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

BUFT

October 2024

- Designed a Next.js/Vercel app for Boston University students to explore nutritional values of dining hall items
- Utilized MongoDB for data storage, and Typescript, CSS, and MantineUI to deliver a seamless experience

Filler! (In Progress)

October 2024 - Present

- Building a realtime platform for users to play the iMessage game "Filler" online with node.js and socket.io
- Site also offers single player modes against ai opponents with scalable difficulty using game-state management

Wordel

September 2024

- Built a replica of the New York Times's Wordle using HTML, CSS, JS, but with dramatically increased difficulty
- Site parses through a JSON file to dynamically select the winning word based on the user's character placements

Weathermatic

August 2024 - September 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