

Summary

Innovative and solution-oriented Computer Science Student with a passion for full-stack development, Ai/ML, and Algorithm design. Seeking a challenging position as a Software Engineer. Motivated to learn from full-time engineers while contributing ideas and solutions in a challenging and innovative environment.

Education

Boston University | Boston, MA

Expected May 2025

B.A. in Computer Science, Class 2025

- **Relevant Coursework:** Application Development in C#, Cloud Computing, Computer Systems, Data Structures & Algorithms, Linear Algebra, Systems Programming, Intro to Machine Learning, software engineering
- **Activities:** Japanese Student Association **President**, Boston Hacks, Asian Student Union

Technical Skills

- Languages: Python, C#, Java, JavaScript, HTML/CSS, SQL, Bash, Unix
- Frameworks & Libraries: Node.js, React.js/React Native, Knex.js, Express.js, .Net, Google Cloud,
- Tools: Git, Docker, Linux, Postman, Kubernetes, Jira, Trello, Dynatrace

Professional Experience

Software Engineer Intern

KBR(Linquest) | Los Angeles, CA

May 2024 – Aug 2024

- Built a satellite network simulator using the Python, C++, and sns3 frameworks. This tool is designed to test routing protocols, recovery algorithms, and the resilience of satellite constellations under various conditions.
- Simplified and compartmentalized complex test cases, which were originally lengthy C++ processes, allowing simulations to run more efficiently and in parallel.
- Created APIs that enable time-specific analysis of satellite constellations in the LEOSat program. This API will extend LEOSat's capabilities, making it a versatile tool for analyzing satellite communication and interactions.

Student DevOps Intern

Los Angeles Department of Water and Power | Los Angeles, CA

Jul 2023 – Aug 2023

- Evaluated the LADWP website/servers and created dynamic Dynatrace reports that reflected website metrics such as conversion rates, session duration, and unique vs. new visitors.
- Tested and reported new customer applications to ensure production-level performance that could be utilized by up to 1.8 million customers.
- Gained industry experience using the Agile Workflow on a larger scale.

Software Engineer Intern

PVNet | Rolling Hills Estates, CA

Aug 2019 – Sep 2021

- Developed course management application to ensure fast and accurate class registration and organization.
- Developed customer-facing pages and managed backend integrations using Javascript and SQL.
- Strengthened collaboration with a team in a developer environment using an Agile Workflow.

Projects

Outing Planner

Sep 2022 - May 2023

Role: *Scrum Master/Lead Developer*

- Developed an application in C# that assists users in planning an outing.
- Integrated several APIs including Google Maps, Yelp, and Chat GPT.
- Utilized Mongo DB for user information storage.
- Developed front-end using html/css and Javascript.
- Created and tested APIs using Postman.

LLM vs Human Text Classification Model

Sep 2023 – May 2024

Role: *Lead Researcher*

- Developed a classification model that distinguished Human vs LLM-generated text.
- Curated a dataset of 3.1 million training points.
- Attained over 80% accuracy in text identification.
- Utilized Python for model training (sklearn, pandas) and result presentation.

Japanese Student Association Website

Sep 2023 – Present

Role: *Lead Developer*

- Developed a website for the Boston University Japanese Student Association.
- Integrated useful APIs such as Google O-auth, Google Maps, Google Calendar, and Eventbrite with JavaScript.
- Utilized Mongo DB for user data storage.
- Developed dynamic customer-facing web pages using React and Javascript.