

Eric Kim

Eric.Kim@tufts.edu | (201) 249-4546 | [LinkedIn](#)

EDUCATION

Tufts University, Medford, MA

2019 - Expected May 2023

Bachelor of Science in Computer Science, Minor in Finance

GPA: 3.69/4.0, Dean's List

Relevant Coursework: Data Structures, Algorithms, Software Engineering, Machine Structure and Programming, Programming Languages

EXPERIENCE

Crestron Electronics, Orangeburg, NY

May - August 2022

Full Stack Developer Intern

- Developed the back-end infrastructure and front-end interfaces of the Test Engineering Department's new information system
 - Boosted the department's efficiency by employing open-source packages to implement C# executables that eliminate redundant or manual tasks
 - Designed original user interfaces using HTML, CSS, JavaScript, and ASP.NET and stored relevant information in SQL databases
 - Attended weekly scrum meetings and coordinated with supervisors to improve internship projects
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PROJECTS

MBTA Simulator

September - December 2022

- Navigated the Java API documentation (JDK 18) and created a multi-threaded simulation of the MBTA subway lines in Greater Boston, Massachusetts using Java
- Configured the simulation using JSON files that specified train lines and passenger trips
- Tested the simulator rigorously using a log verifier to ensure all movements were valid

PCB Schematic Highlighter

May - August 2022

- Implemented a software program to parse hundreds of component names from different file types and highlight them on 25+ page PCB schematics in under 10 seconds
 - Recorded relevant data in a local database and integrated a user interface into an existing information system for test engineers to utilize the tool
 - Built using C#, SQL, HTML, CSS, JavaScript, and the ASP.NET framework
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SKILLS

Front End Programming Languages: HTML, CSS, JavaScript

Back End Programming Languages: Java, C#, C++, C, Python

Frameworks and Technologies: ASP.NET, jQuery, Bootstrap, XML

Databases: SQL, SQL Server Management Studio, PostgreSQL, pgAdmin

Operating Systems: Unix, Linux

Other Tools: Atom, JUnit, Chrome DevTools, Valgrind, TortoiseSVN, Linux Terminal

ACTIVITIES

Tufts University

2019 - Present

First Generation Association, *First Generation Student*

Play Pals (sub-group of Leonard Carmichael Society), *Member*

Animal Aid (sub-group of Leonard Carmichael Society), *Member*

Cancer Outreach (sub-group of Leonard Carmichael Society), *Member*