

# Eric Kim

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## 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, Intro to Machine Learning, Web Development, Database Systems

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## 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 implementing C# executables that eliminated 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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## SKILLS

**Front End Programming Languages:** HTML, CSS, JavaScript

**Back End Programming Languages:** Java, C++, C#, PHP

**Frameworks and Technologies:** jQuery, XML, AJAX, JSON, Bootstrap

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

**Operating Systems:** Unix, Linux

**Other Tools:** JUnit, Chrome DevTools, Git, TortoiseSVN

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## PROJECTS

**MBTA Simulator**

September - December 2022

- 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#, HTML, CSS, JavaScript, SQL, and the ASP.NET framework
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## 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*