

**Eric Kim**  
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## EDUCATION

**Tufts University**, Medford, MA

2019 - Expected May 2023

Major/Minor: Computer Science (BS)/Finance

Cumulative GPA: 3.68/4.0, Dean's List

**Relevant Coursework:** Data Structures, Machine Structure and Programming, Programming Languages, Software Engineering, Algorithms, Computation Theory, Intro to Machine Learning, Game Design

## EXPERIENCE

**Crestron Electronics**, Orangeburg, NY

May - August 2022

*Test Engineer (Full Stack Developer) Intern*

- Researched and employed various open source packages to create new modules that streamline processes and eliminate redundant or manual tasks by automation
- Assisted in developing the back-end infrastructure (databases, server-side code, etc.) and front-end interfaces of the Test Engineering Department's new information system
- Created custom reports using information stored in databases and facilitated other related data analysis
- Cooperated with other interns to propose and present an innovation that would benefit the company

## SKILLS

**Programming Languages:** Proficient: C++/C (linux/unix environment), C# (ASP.NET framework), Java; Exposed to: Python, JavaScript, HTML, CSS, SQL

**Software Packages/Tools:** VS Code, Atom, SQL Server Management Studio, Unity, JUnit, Chrome DevTools, Valgrind, Github, TortoiseSVN, MacOS Terminal/Command Prompt, Jupyter Notebook

## PROJECTS

**Java on Rails** (Software Engineering)

September - December 2022

- Implemented a rudimentary web application framework with a model-view-controller architecture using Java and tested it using JUnit and Gradle
- Explored the Java API documentation (JDK 18) in order to utilize various data structures and reflection

**PDF Highlighter** (Internship)

May - August 2022

- Researched open source packages and implemented an efficient tool to parse component names from different file types (.xls, .xml, .rpt) and highlight them in a given PCB schematic (.pdf) using C#
- Designed a user interface on an existing information system for test engineers to utilize the tool using JavaScript, HTML, CSS, and ASP.NET framework

**BOM + Asset Deployment Form Generator** (Internship)

May - August 2022

- Explored open source packages and built a solution to quickly transfer data from .xml files to BOM and Asset Deployment files (.xlsx) using C# and recorded that data in a SQL database
- Integrated another user interface with the existing information system for test engineers to utilize the solution using JavaScript, HTML, CSS, and ASP.NET framework

## ACTIVITIES

**Tufts University**

2019 - Present

First Generation Association, *First Generation Student*

Leonard Carmichael Society (Play Pals, Animal Aid, and Cancer Outreach), *Member*