

Daniel Yu

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EDUCATION

Boston University

B.A. in Computer Science

Expected Graduation: Dec 2023

GPA: 3.65/4.00

Relevant Coursework: Introduction to Computer Science (Java), Data Structures and Algorithms, Discrete Math, Computer Systems, Linear Algebra, Probability in Computing, Functional Programming

WORK EXPERIENCE

Raytheon Technologies

Software Development Intern

Brooklyn, NY

Jun 2022 - Aug 2022

- Contributed to a web component design system by managing and modernizing code for 20+ web components used company-wide to standardize user interfaces and allow for more streamlined development of company web applications
- Maintained project monorepo containing 3 major packages by updating outdated documentation and eliminating outdated web components by reimplementing with modern ReactJS

Boston University Housing Department

Furnishing Assistant

Boston, MA

Jun 2021 - Apr 2022

- Inspected 500+ student dorms and apartments and replaced missing or damaged furniture
- Maintained a clean and organized warehouse used to store spare furniture
- Provided customer service by answering questions regarding housing for the school year as well as completing furnishing requests submitted by students during move in and throughout the school year

The Book Ace

Front End Developer

Boston, MA

Sep 2020 - Feb 2022

- Developed a full-stack web application functioning as a marketplace for college textbooks and materials with different implementations depending on the user's school and location
- Collaborated with a team of developers by applying agile methodology by holding bi-weekly sprints as well as Git by reviewing over 200+ commits made to a repository

Boston University IT Department

Zoom IT Moderator

Boston, MA

Sep 2020 - Dec 2020

- Maintained a Questrom School of Business lecture hall by inspecting classroom technology as well as setting up teacher workstations and disconnecting instructor devices following a lecture
- Enabled 15+ remote, graduate students to participate during lectures by bridging communication from the zoom chatroom to the class instructor

PROJECTS

The Book Ace Website

Jul 2021

- Engineered a fully functional web application allowing users to create, edit and review listings and serves as the main communication hub between users using ReactJS, Django, and GoDaddy

BostonHacks Website

Nov 2021

- Programmed a website allowing hackathon participants to apply for the hackathon as well as displaying previous hackathon statistics and information for potential sponsors using ReactJS and Firebase

Functional Stack Interpreter

Dec 2021

- Devised a collection of functions for a mock stack data structure using OCaml and functional programming concepts that parses an input string and interprets the parsed representation as stack functions

LEADERSHIP & ACTIVITIES

BostonHacks

Front End Developer

Boston, MA

Jun 2020 - Present

- Redeveloped website for the new hackathon by converting old VueJS components to newer ReactJS components to modernize the website allowing newer members to have a better understanding of the code
- Developed hacker passport with various QR codes and hacker information allowing easy sign-in at the event
- Advised 5+ new tech team members to learn newer technologies used for developing hackathon websites through pair programming and code examples

FIRST Robotics Team 195

Team Captain

Southington, CT

Sep 2019 - May 2020

- Managed 50+ team members through a leadership role by giving team updates during meetings as well as communicating with mentors about team direction and responsibilities
- Developed the back end of an application used for robot scouting within competitions using Python and SQL to manage robot information for 3,898+ worldwide as well as generating data models for robot analysis

SKILLS

Languages: English (Fluent), Mandarin (Limited Proficiency), Spanish (Limited Proficiency)

Technical: Python, Java, HTML, CSS, C, JavaScript, SQL, OCaml, Microsoft Excel, RESTful API, TypeScript

Tools: Git, JIRA, Django, Google Firebase, ReactJS, VueJS, Postman, Strapi, KoaJS