

# Tyler Thompson

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## EDUCATION

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### Tufts University

Expected May 2024

*Bachelor of Science in Computer Science, Minor in Engineering Management*

GPA: 3.84; Dean's List 2020-2022

Key Coursework: Algorithms, Software Engineering, Intro to Security, Networks, Intro Machine Learning, Mathematical Modeling, Calculus, Discrete Math, Linear Algebra, Abstract Algebra, Engineering Management

## WORK EXPERIENCE

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### Women in Cloud *Full Stack Intern*

Jun. 2022 – Aug. 2022

- Built a novel event ticketing system for Web3
- Designed an intuitive UX and UI using Figma and iterated based on user feedback, totaling 23 experiences
- Built a REST-like backend API using Express, Prisma, MySQL, and SendGrid
- Implemented a frontend experience using React
- Evaluated and rewrote 4300+ lines of a Web3 Node.js library to suit the project's needs

### JumboCode

*Head of Engineering*

May 2022 – Present

- Provided technical support for 9 project teams—100+ students—all building software for local nonprofits
- Designed and led 7 school-wide technical workshops covering React, Next.js, Express, MongoDB, React Native, TypeScript, and Git

*Tech Lead*

Sep. 2021 – May 2022

- Led the development of a data aggregation platform for TUPIT, a program that provides education and mentorship to those impacted by the criminal justice system
- Performed code reviews for 9 developers on the team's Next.js and Django codebase
- Communicated with the client regularly to refine feature requests
- Contributed 8500+ lines of code implementing user auth, the degree progress API, and many vital pages

*Web Developer*

Sep. 2020 – May 2021

- Built a website for Animal Aid to connect student walkers to dogs in the Medford area
- Learned Django, PostgreSQL, AWS, Python, and JavaScript to deploy within 5 months
- Contributed heavily to the dog-to-walker matching algorithm which powers the site's primary functionality

### Creative Children for Charity *Technology Chair*

Oct. 2016 – Sep. 2020

- Served as the nonprofit's primary curriculum and technology lead
- Designed and taught entrepreneurial 3D printing courses at local schools, YMCAs, and the Microsoft Garage
- Organized an annual business fair that empowered 300+ youth and generated \$10,000 for charity

## SKILLS

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### Languages

C, C++, Python, Java, JavaScript, TypeScript, Rust, SQL, MongoDB, HTML, CSS, Bash

### Technologies/Frameworks

React, React Native, Next.js, Angular, Express, Django, Prisma, Git, Figma

### Leadership

Project organization, giving and receiving feedback, classroom instruction, public speaking

### Activities/Interests

Harvard Hackathon, Ballroom Dance Team, Backpacking, Skiing, Cooking, Wii Sports