

Jack Blanc

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Education

Northeastern University Boston, MA

Sept. 2017 - Present

Bachelor of Science in Computer Science

Graduating December 2021

Coursework: Algorithms, Object-Oriented Design, Machine Learning, Artificial Intelligence, Computer Systems, Database Design

Honors/Awards: 3.5/4.0 GPA, Dean's List 4x

Experience

Multiply Labs San Francisco, CA

May 2021 - September 2021

Software Engineer Co-op

- One of three software engineers at early-stage startup building robotic system to automate pharmaceutical manufacturing
- Implemented logging throughout Python codebase, refactored API architecture, and built service for new robotic module
- Led software integration testing with hardware, enabled robotics team's usage of software by teaching Docker, and resolved critical bugs ahead of major company milestone

Teikametrics Boston, MA

July 2020 - December 2020

Software Engineer Co-op

- Key fullstack contributor on user model rewrite in SaaS platform
- Lead frontend developer, architected new user experiences using Redux for state management in TypeScript, React, and Rails client
- Built Kafka message consumers and Flask API endpoints in new Python microservice to house next generation user model
- Worked closely with design team to build pixel-perfect, component-based user interfaces using React, Storybook, and SCSS

Wayfair Boston, MA

July 2019 - April 2020

Software Engineer Co-op, Software Engineer I (Part-Time)

- Lead architect of full-stack UI/UX for purchasing assembly services and warranties using React, Javascript, GraphQL, PHP, and SQL, processing \$4M in annual revenue
- Promptly fixed high-severity bugs with cross-team impact as rotational on-call engineer

Code4Community (C4C) Boston, MA

May 2019 - April 2021

Co-Founder, Director of Engineering

- Co-founded Northeastern club to develop applications for nonprofits
- Collaborated with nonprofit clients and internal product managers to translate project requirements into actionable milestones
- Constructed continuous integration pipelines and cloud deployment for projects using Circle CI, Docker, and AWS
- Taught workshops for over 100 students on topics including React, Redux, Jest testing, Java API development, and PostgreSQL

Technical Skills

Languages: Python, TypeScript + JavaScript, Java, PostgreSQL, Ruby, Scala, C

Frameworks: React, FastAPI, Redux, Vert.X, Rails, Storybook, Axios

Software: Docker, Git, Jira, AWS (S3, Elastic Beanstalk, Amplify), Circle CI, GitHub, Stripe, IntelliJ, VS Code

Projects

Code4Community

Frontend Scaffold

React, Redux, TypeScript

Template repository for quickly bootstrapping all Code4Community frontends. Includes modular Redux thunks, actions, and reducers for managing user authentication using access and refresh JSON web tokens.

Hands Across The Sea

React, Java, PostgreSQL

Data collection tool tracking child literacy, used in ~800 schools across 6 countries in the Eastern Caribbean

Lucy's Love Bus

React, Java, PostgreSQL

Event registration management system for a nonprofit supporting children with terminal illnesses

Speak for the Trees

React, Java, PostgreSQL

Tree inventory system built to track public trees in Boston to improve urban canopy

Personal

Dash

React, Redux, Firebase

To-do list for students with grade and GPA tracking, actively used by friends