

# Jack Blanc

Product-focused fullstack software engineer committed to delivering value to users. Quick learner capable of parsing complex, changing business requirements into clean, well-tested, and extensible applications.

Available May - August 2021  
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## Education

**Northeastern University** Boston, MA Sept. 2017 - Present  
*Bachelor of Science in Computer Science* Graduating April 2022  
**Graduate Coursework:** Algorithms, Foundations of Artificial Intelligence  
**Undergraduate Coursework:** Object-Oriented Design, Machine Learning, Computer Systems, Cybersecurity, Discrete Structures, Database Design  
**Honors/Awards:** 3.5/4.0 GPA, Dean's List Fall 2017, Fall 2018, Spring 2020

## Experience

**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 effectively with design team to build pixel-perfect, component-based user interfaces using React, Storybook, and CSS

**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
- Wrote and shared cross-team design documents for future development to schedule furniture assembly during checkout, integrate with additional suppliers, and expand to native mobile apps
- Promptly fixed high-severity bugs with cross-team impact as rotational on-call engineer

**Code4Community (C4C)** Boston, MA May 2019 - Present  
*Co-Founder, Director of Engineering*

- Co-founded Northeastern club to develop applications for nonprofits
- Communicated effectively with nonprofit clients and internal product managers to translate project requirements into actionable milestones
- Constructed continuous integration pipelines and cloud deployment for projects using Travis CI, Docker, and Amazon Web Services
- Taught three workshops on software testing, cybersecurity, and technical interview preparation for over 60 people each

## Technical Skills

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

**Frameworks:** React, Redux, Vue, Flask, Rails, Vert.X, Storybook, Axios

**Software:** AWS (S3, Elastic Beanstalk, Amplify, Route53), Travis CI, Git, GitHub, Stripe, IntelliJ, Jira, Docker, Heroku

## Projects

**Frontend Scaffold**  
React, Redux, TypeScript  
Template repository for all Code4Community application frontends. Includes modular Redux thunks, actions, and reducers for managing user authentication using access and refresh JSON web tokens tokens.

**Hands Across The Sea**  
React, Java, PostgreSQL  
Data collection and visualization tool for nonprofit supporting child literacy in Eastern Carribean

**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  
Block reservation system for Speak for the Trees, a nonprofit collecting data on trees in Boston

**Dash**  
React, Redux, Firebase  
To-do list for students with grade and GPA reporting, actively used by one person