

BLAKE R. ZIMMERMAN

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EDUCATION: **Stevens Institute of Technology**, School of Systems and Enterprises Hoboken, NJ
Major: Software Engineering May 2019
Minor: Computer Science
GPA: 3.45
Scholarships: Edwin A. Stevens Scholarship, Scholars of Excellence

SKILLS: **Languages:** TypeScript, JavaScript, HTML, CSS, Sass, Python, Java, C, C++, Elm, F#
Frameworks & Technologies: React, GraphQL, Node.js, Next.js, Webpack, Redux, Jest, Angular, RxJS, Docker, SQL, NoSQL, Kafka, D3, Git, Splunk, Event Sourcing, Kubernetes

WORK EXPERIENCE: **Walmart**, Intelligent Retail Lab Hoboken, NJ
Software Engineer III Mar '18 – Present

- Implemented, tested, and maintained microservices and web applications to drive innovative in-store experiences for Walmart
- Architected a comprehensive constraint-based design system to vastly improve the velocity of all of IRL's front-end engineers
- Developed a service to convert real-time RTSP video to HLS and serve it to the web client with only a 3 second delay
- Designed an internal React library for sharing state between browser windows to enable multi-window web application capabilities

Jet.com, Platform Tooling, Order Management Hoboken, NJ
Software Engineering Intern Jan '17 – Dec '17

- Built a visualization tool for Jet's internal telemetry logging system using Typescript, React, and D3
- Developed an Angular 4 front-end from the ground up for a new internal tool that shows divergence between Event Store clusters
- Implemented real-time notifications in the catalog management web application using SignalR, RxJS Observables, and F# microservices
- Rewrote the authentication system for the catalog management web application to be stateless using Node.js and Passport.js
- Built a micro-scale version of the Jet.com website to demonstrate system architecture for new hires (front-end in Angular 2, back-end in Web API 2.2 using F#)
- Developed and deployed production level features to customer service, order management, and catalog management web applications

BAE Systems, Electronic Systems Wayne, NJ
Technical Intern II Jan '16 – Aug '16

- Developed a web-based interface for a codebase health and metrics tool
- Implemented and tested embedded software for Software Defined Radios
- Used scrum and continuous integration to improve projects
- Set up, deployed, and maintained a server cabinet

ACTIVITIES: **Stevens Software Engineering Club**, Co-Founder & President 2018– 2019
Alpha Phi Omega, National Service Fraternity 2015 – 2019
Boy Scouts of America, Eagle Scout 2003 – 2014
Personal Projects, www.github.com/blakezimmerman 2015 – Present

US Citizen – Available to Work Immediately