

**BLAKE R. ZIMMERMAN**

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**EDUCATION:** **Stevens Institute of Technology**, School of Systems and Enterprises  
**Major:** Software Engineering  
**Minor:** Computer Science  
**GPA:** 3.42  
**Scholarships:** Edwin A. Stevens Scholarship, Scholars of Excellence

Hoboken, NJ  
 May 2019

**SKILLS:** **Languages:** TypeScript, JavaScript, HTML, CSS, Sass, Python, Java, C, C++, Elm, F#

**Frameworks & Technologies:** React, GraphQL, Webpack, Redux, Node.js, Jest, Angular, RxJS, Docker, SQL, NoSQL, Kafka, Passport.js, D3, Git, Splunk, Event Sourcing, Kubernetes, Jenkins

**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
- Developed a service to convert real-time RTSP video to HLS and serve it to the web client with only a 3 second delay
- Pioneered a tree-shakable UI component library to facilitate sharing between the company's front-end developers
- Designed an internal React library for managing shared state in multi-window web applications

**Jet.com**, Platform Tooling, Order Management  
*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  
*Technical Intern II*

Wayne, NJ  
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](https://www.github.com/blakezimmerman)     2015 – Present

### **US Citizen – Available to Work Immediately**