

# Eric Jacobson

Eric.jj96@gmail.com | 206-735-0053 | linkedin.com/in/eric-j-jacobson  
github.com/EJacobson96 | eric-jacobson.me

## EDUCATION

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### University of Washington

Sep. 2014 – Jun. 2018

Bachelor of Science in Informatics

GPA: 3.5

Coursework: Data Structures and Algorithms, Java Programming, Client-Side and Server-Side Web Development, Relational Database Systems, Usability Testing and Prototyping

## EXPERIENCE

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### Creative Coding – Greater Seattle Area

Sep. 2017 – Jan. 2018

Assistant Teacher

- Introduced students to basic programming logic and motivated them to create various projects.
- Taught students how to develop algorithms, debug and test their code using Scratch.

## SKILLS

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**Languages/Frameworks:** Java, JavaScript, React, HTML, CSS, SQL, Node.js, Go, React Native

**Technologies:** Git, RESTful APIs, MS SQL Server, Docker, MongoDB, Redux, Firebase

## PROJECTS

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### Milestone

Jan. 2018 – Jun. 2018

- Partnered with the City of Seattle to build a responsive goal planning web application.
- Prototyped UI mockups for usability testing and implemented reusable React components.
- Implemented live data transfer using WebSockets in Golang to handle real time interactions between users.

### Typeie Bird

Nov. 2017 – Dec. 2017

- Built a multiplayer web-based typing game with React for the front-end game engine and Go.
- Designed and implemented a database schema that stores player information and high scores using MongoDB.
- Developed a REST API server responsible for handling player and game data.

### Twitch Database

Mar. 2017 – Jun. 2017

- Created views and stored procedures for handling transactions using Microsoft SQL Server.
- Wrote check constraints to handle business restrictions and used synthetic transactions to populate the database.
- Utilized full, differential and transaction log backups as disaster recovery techniques to restore the database.