

# Siwei Guo

COMPUTER SOFTWARE ENGINEERING MAJOR · NORTHEASTERN UNIVERSITY

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## Skills

**Programming Languages** Java · JavaScript · TypeScript · C/C++ · Python  
**Web Development** React.JS · Node.JS(Express) · Spring Boot · AWS · HTML · CSS · Bootstrap · GraphQL · Redux  
**Database & Tools** MongoDB/Atlas · DynamoDB · H2 · MySQL · Postgres · Git · Postman · Maven · Vim

## Education

**Northeastern University** Seattle, WA  
M.S. IN INFORMATION SYSTEMS | COMPUTER SOFTWARE ENGINEERING Sept. 2019 - Present  
**Shanghai University of Electric Power** Shanghai, China  
B.S. IN ELECTRICAL ENGINEERING Sept. 2014 - Jun. 2018

## Experience

**Boonoob - Fabulous Technology Inc.** San Francisco, CA  
SOFTWARE ENGINEER INTERN - FULL STACK Oct. 2020 - Dec. 2020

- Upgraded REST APIs, back-end services and front-end pages using Node.JS(Express.JS), React.JS and MongoDB
- Proposed the solutions and reported the progress to the supervisor and implemented Agile Software Development
- Boosted the development of Boonoob to raise over \$16k as start-up capital on WeFunder

**Northeastern University** Seattle, CA  
TEACHING ASSISTANT - COMPUTATION AND VISUALIZATION AND FOR ANALYTICS Jan. 2020 - May 2020

- Led and instructed a class of 50 students to do computation and visualization for data analytics with R language
- Communicated with the professor about the feedback from the students, over 60% of the class got grade A- and above

**MEducation Technology Inc.** Shanghai, China  
SOFTWARE ENGINEER INTERN Mar. 2018 - Nov. 2018

- Produced \$70k revenue for the company by developing software for embedded systems and electronic devices with C++
- Collaborated with the development team of mobile application to deliver 8 mobile applications for electronic products

**Internet of Things Scientific Research Institute** Fujian, China  
SOFTWARE ENGINEER INTERN Jul. 2017 - Sept. 2017

- Redesigned Tomcat web servers for 2 different enterprise applications with Java
- Facilitated the development of products and generated \$40k revenue for the institute with the development team

## Projects

**Boonoob Social Network** San Francisco, CA  
SOFTWARE ENGINEER INTERN - FULL STACK | NODE.JS · REACT.JS · REDUX · MONGODB Oct. 2020 - Dec. 2020

- Designed and built a real-world social network with the product team to connect people and boost the gig economy
- Created a cross-platform responsive web application as a Full Stack Engineer with Node.JS, React.JS, HTML and CSS
- Boonoob gained over 200 users and generated over \$3k revenue for them in the first 2 weeks in the beta stage

**Bookcase** Seattle, WA  
PERSONAL | NODE.JS · REACT.JS · GRAPHQL · MONGODB ATLAS Aug. 2020 - Sept. 2020

- Initiated a user-friendly book searching web application with Node.JS, React.JS and MongoDB Atlas
- Improved the efficiency of development and querying by using GraphQL instead of JSON

**Remember** Seattle, WA  
PERSONAL | JAVA · REACT.JS · SPRING BOOT · AWS · H2 · BOOTSTRAP May 2020 - Jun. 2020

- Coded an application that allows users to take notes and set reminders with React.JS, Bootstrap, Java, Spring Boot
- Deployed the application on AWS Beanstalk and stored the data in H2 Database

**Blackboard** Seattle, WA  
COURSE PROJECT | JAVA · SPRING BOOT · DYNAMODB · AWS Feb. 2020 - Apr. 2020

- Engineered a web server hosted on AWS that makes it easier for students and school staffs to manage the courses
- Devised the data modelings and REST APIs, and implemented the web server with Java, Spring Boot and DynamoDB