

## Lin Li

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### CAREER OBJECTIVE

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Strong knowledge and skills in Java, Python, MySQL, and Mobile/Web Application Development. A new graduate with a master's degree and 6 years of software development experience. Seeking a Software Development Engineer position starting from Sept 1st.

### EDUCATION

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**Washington University in Saint Louis** - Saint Louis, MO 09/2018 – 05/2020  
*Master of Science (M.S.) in Computer Science* GPA: 3.30

**Boston University** - Boston, MA 09/2014 – 05/2018  
*Bachelor of Arts (B.A.) in Computer Science* GPA: 3.43

Relevant Course: Data Structures, OOP, Computer Network, Web Development, Mobile Development, DBMS, Advanced Algorithm Design, Advanced Multiparadigm Software Development, Real Time System, System Security.

### ADDITIONAL SKILLS

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**Programming Languages:** Python, Java, C++, JavaScript, PHP, HTML, R, Swift, Haskell, Assembly.

**Database:** MySQL, MongoDB, AWS (DynamoDB, Redshift, S3), SQL Server, SQLite, Oracle, Firebase.

**Frameworks:** Node.js, React.js, Angular.js, Bootstrap, Flask, jQuery, Ajax.

**Tools:** AWS (EC2, Cognito), Git, Bitbucket, Postman, Android Studio, XCode, Unity, Raspberry Pi.

### PROFESSIONAL EXPERIENCE

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**BrainCo Tech**, Boston, MA | *Software Engineer Intern* 09/2017 – 12/2017

- Collected and integrated EMG signal data from different prosthetic hand chips, and pre-processed 80 unformatted files (5GB) using **NumPy** and **Pandas** framework in **Python**.
- Constructed an **AWS DynamoDB** and wrote ETL queries to store/filter the signal data extracted from chips.
- Improved classification rate to 97% by applying bandwidth filter on processed data subscribed from DynamoDB.

**Roadbest Traffic Technology Co., Ltd**, Shaanxi, China | *Software Engineer Intern* 06/2015 – 08/2015

- Designed and Developed a responsive company website from scratch using **Angular.js**, **Bootstrap**, **jQuery** as front-end, and deployed in 6 **AWS EC2** instances.
- Processed mechanical product data to **AWS Redshift**, and customer success story videos to **S3**.
- Implemented **AWS elastic load balancer** and add DB replication to increase availability and partition-tolerance.
- Implement real-time customer service chat-bot by integration with **Dialogflow** to collect visitor data and answer customer instant questions.

### PROJECT EXPERIENCE

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[Boston University Arts Initiative Android App](#) 03/2018 – 05/2018

- Designed and built an event schedule Android Application using **Java** and **Android Studio** from scratch.
- Implemented user account module to manage user registered events, integrated with Google Map API to navigate or locate users' events' addresses, integrated with Google Calendar and Android Calendar to synchronize users' favorite events.
- Developed FB, Twitter login and other 3rd party authentication system with **OAuth 2.0**.
- Integrated ticket master API and imported user registration data to user account, then published user and event data to **Firebase**. Used Firebase as the backend to store user real time activity data, like friendship, thumbs up.

[Clothes Shopping Site](#) 11/2018 – 12/2018

- Built a clothes shopping website, allowing users to browse, search items and manage comments for clothes.
- Created the shopping cart and wishlist modules to provide user add, remove, update items function.
- Developed weather-based clothes recommendation feature by connecting with Weather API to recommend style which matches current weather information.
- Implemented priced-based and item-based searching feature based on keyword match and item-based collaborative filtering algorithm which provides excellent searching experience.
- Used **React.js** as the front end, **Python Flask** and **MySQL** as the backend.