

Peixin Li

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SUMMARY

Seeking a full-time **software development** position starting from **June 2019**. Strong knowledge of programming skills in Java, Python, C#. Has a wide range project experience in developing web and mobile application.

EDUCATION

Boston University

Sep 2017 - May 2019(Expected)

Master of Engineering in Computer Engineering (GPA: 3.7/4.0)

Jilin University

Sep 2013 – Jun 2017

Bachelor of Science in Electrical Information Engineering (GPA: 3.6/4.0)

SKILLS

Programming Skill: Java, Python, C#, JavaScript, HTML, CSS Database: MySQL, NoSQL(Firebase)

Other Related Skill: Git, Android, Spring MVC/Boot/data, Hibernate, Maven, AJAX, Hadoop, MapReduce, TCP/IP

PROJECT

Android Travel Buddy App

Sep 2018 - Dec 2018

- Developed an Android application using Android SDK for users to share experience and meet up with others in trips.
- Implemented a real-time private chat room data model based on **Firebase** with CRUD network queries.
- Integrated Uber, Skyscanner and Darksky API for accessing navigation, flight and weather information.
- Leveraged knowledge in understanding Android activity lifecycle and reusable fragment components management.

Autonomous Self-Driving Car Based on Deep Learning Model

Feb 2018 - May 2018

- Implemented Self-directing according to the action number predicted from a trained CNN model with 70% accuracy.
- Designed speed control by constructing a PWM motor controller circuit using Raspberry Pi GPIO and L298N motor driver
- Collected data for training model with pygame library based direction detect and image capturing.
- Created a web application for real-time video streaming using **Nginx** and websocket programming (Socket.io).

Entertainment Tracking Website

Sep 2017 - Nov 2017

- Established an entertainment website as a platform for users to share and comment on different movies.
- Used **Express** framework and **Passport.js** authentication middleware to manage backend service and database (MongoDB)
- Incorporated auto-complete search field using based on **N-gram algorithm**.
- Worked on **Item CF** based co-occurrence matrix to track rating history and generate recommendation lists for users.

EXPERIENCE

North America Sports Union, Full stack Developer Intern

May 2018 – Aug 2018

- Built an event sharing social media platform for local NGO based on **SpringBoot/data**, **Thymeleaf** with MVC framework
- Designed RESTful backend server enabling data to be stored persistently in database.
- utilized **JQuery** and **AJAX** async calls to send and retrieve JSON object.
- Implemented pagination query, toggle like button, articles view page and user friend management.