ZHONGXUAN SONG

1420 Centre Ave, Pittsburgh, PA, 15219

(248) 525-4380 ⋄ zhongxuancareer@gmail.com ⋄ https://www.linkedin.com/in/zhongxuan-song-528538131/

EDUCATION

University of Pittsburgh — Expected May 2021
Master's in Computer Science, — GPA : 3.73/4.0
Courses: High-Performance Computing, Distributed System, Data Science, Machine Learning

Miami University — Aug. 2015 - May. 2019
Bachelor of Science in Computer Science, — GPA : 3.55/4.0
Courses: Algorithms, Data Structures, Operating Systems, Computer Graphic

EXPERIENCE

Human Engineering Research Laboratories — Pittsburgh, PA

Software Engineer Intern — *Jun 2020 - PRESENT*
- Designed, developed, and tested a data collection web application using **Node.js**, **Angular**, and **DynamoDB** to collect and display usage information of **IoT** devices.
- Completed entire development process for web App, and deployed on **AWS**.
- Developed research configurations feature to allow customization of the WheelFit mobile app in **React-Native**.

CURVE Systems LLC — Pittsburgh, PA

Software Engineer Intern - Part time — *Jun 2020 - PRESENT*
- Implemented the Calendar module with an invitation management system using **MEAN** Stack which allows inviting more than 10 participants to the meeting.
- Worked with another intern to upgrade the sync calendar feature using Calendar and OAuth API provided by Google and Microsoft. Handled recurrence calendar events and redesigned Database Schema to fit the needs.

SKILLS

Programming Languages: Java, C++, Python, JavaScript, SQL
Web Programming: Angular, React, Flask, Node.js, SQLite, MongoDB, DynamoDb
Dev Tools: AWS services, Android Studio, IntelliJ, Git, Docker

PROJECT

Raynauds Clinical Supports — Pittsburgh, PA

Web Development — *Feb 2020 - March 2020*
- Developed a web application to record and analyze the patient's Raynaud record using **MEAN Stack**.
- Designed and built **REST** Back-end with Node.js and MongoDB to process and store the records.

Miami Parking Pal — Oxford, OH

Android — *Sep 2018 - Apr 2019*
- Designed and implemented easy-to-use mobile application to organize the parking lots and to help the user to find the most convenient parking spot.
- Implemented the Heat-map on Google Map to intuitively present availability of each parking lot.