ALLEN JIANG

SOFTWARE DEVELOPER

CONTACT

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EDUCATION

Robotics, Masters of Science in Engineering

Johns Hopkins University

2017

GPA: 3.9
Relevant Coursework: Machine Learning, Data Structures, Computer Vision, Robot Systems Programming

Biomedical Engineering, Bachelors of Science

Johns Hopkins University

2014

GPA: 3.9
Relevant Coursework: Java, Linear Algebra, Systems Bioengineering

TECHNICAL SKILLS

Programming Languages:
Python, Java, C++

Web Development: HTML, CSS, Tailwind CSS, JavaScript

Front-End Frameworks: React, Next.js, Vue

Data Analysis: Excel, MATLAB

OTHER SKILLS

Strong oral communicator and presenter

Academic and research writing experience

Proficiency in Mandarin Chinese

PROFILE

Highly motivated self-learner with a strong academic background in computer science, engineering and robotics, seeking to transition from a service-oriented field to build a career in software engineering.

TECHNICAL PROJECTS

Songbook

Developed a web app for music/chord sheet management that allows for transposing, uploading, importing and editing chord sheets for a church. The app is built using Next.js and React, interfacing with MongoDB and employing user log-in and authentication.

Swarm EduMIP Coordination Project

Wrote software in C++ for EduMIPs to self-organize and coordinate each unit's positions, using an overhead camera and AR tags.

Self-driving Car Navigator

Developed basic autonomous driving software for a vehicle driving in a simulated environment using input from a single camera, utilizing Tensorflow and a convolutional neural network.

Google Fiber Probe Localization

Developed a prototype for localization of a probe within piping system, using a micro Arduino and an IMU in a custom 3d-printed joint

WORK EXPERIENCE

Pastor

Grace Life Church / Stepping Stone Ministry   2017-2023

- Delivered creative and contextualized messages and teachings on the Bible to students and adults several times a month.
- Organized and oversaw student activities such as weekly Bible discussion and support groups, the music team, community engagement events at JHU, off-site student retreats, local service trips, and more.
- Mentored, counseled, and supported students in their spiritual and emotional growth.
- Obtained a Masters in Divinity from Southeastern Baptist Theological Seminary in the process

Research Coordinator

Kennedy Krieger Institute   2014-2015

- Assisted with data analysis/visualization for various papers using MATLAB, Excel, and statistical software packages
- Coordinated clinical studies for patients with multiple sclerosis and other neurological disorders