

Haozhe Chen

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Education

University of Southern California, BS in Computer Science, GPA: 3.74 / 4.0

08/2016 - 05/2020

Skills

Programming Languages:

C/C++, Java, C#, Python, MySQL, JavaScript, Swift

Frameworks & Technologies:

.NET, React, Node.js, AWS, Qt, HTML, CSS, shell

Experience

Software Engineer Intern - New Oriental Education & Technology Group

05/2018 - 08/2018

- Worked in smart campus dev team to deliver education software and tools to schools in Beijing and Yangzhou.
- Designed a mobile app for self-employed fashion retailers to connect with customers on campus. Boosted monthly sales by 10% with effective fashion idea promotion and better customer experience.
- Developed an online campus facilities management system and deployed the system to campus server. Lowered operational costs by 20% and achieved an environment-friendly and paperless management system.

Course Producer (Undergrad TA) - USC Viterbi School of Engineering

01/2018 - present

- Worked in the team of teaching assistants for CSCI-104: Data Structures and Object Oriented Design (C++).
- Increased the flexibility of homework grading scripts in Python to adapt to customized rubrics and test cases.
- Refined weekly lab materials based on feedback and engaged students in more collaborative learning activities.

Founder - PassionSC (student-run computer science club)

01/2018 - present

- Held welcoming events and networking nights every semester to introduce the club to new students.
- Organized over 10 workshops and mini-hackathons for people to learn new skills and build cool projects.

Projects

FindSC (Java, MySQL)

- Built a website where people can post or claim lost items, visualize the time or space distribution of the most frequently lost items, and receive friendly reminders to reduce the chance of losing items.
- Designed web frontend with HTML, Bootstrap CSS, JavaScript, and backend server with Java, JDBC, MySQL.
- Generated heat maps with Google Map API, and hosted MySQL database in cloud with AWS RDS.

Twilay (Node.js, RESTful API, AWS)

- Developed a text-voice relay application to help people with speech or hearing impairment to use text messages to communicate with voice callers in real time. Won **Best Use of AWS** at **SD Hacks 2017**, San Diego, CA.
- Implemented main server with Node.js, and text-to-speech conversion with Twilio RESTful API.
- Transcribed voice with Google Speech API, and deployed the server to AWS cloud.

Memory Palace AR (Swift, ARKit, UIKit)

- Created an iOS AR app which generated a virtual memory palace for storing and retrieving memories, and helped people with memory disorders to exercise memory. Won **First Place Overall** at **HackPoly 2018**, Pomona, CA.
- Designed AR virtual memory palace with ARKit, and user interface with Swift, UIKit in Xcode.

SmartCampus (ASP.NET, C#, SQL Server)

- Developed an online campus facilities management system to track work orders and maintenance records at ease.
- Designed web frontend with Razor, HTML, CSS, backend controllers with C#, and database with SQL Server.