Spencer Chang

https://github.com/spencerc99

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EDUCATION

Rice University, Houston, TX**, Expected Graduation May 2019
Bachelor of Science, Computer Science; **Minor**, Business;
Certificate, Engineering Leadership

Strake Jesuit College Preparatory, Houston, TX, 2015
Cumulative GPA – 4.31

COURSE WORK

Rice University

- Computational Thinking, Differential Equations &
  Linear Algebra, Engineering Leadership
  Development**, Financial Accounting, Economics

Strake Jesuit College Preparatory

- Data Structures and Algorithms

SKILLS

Proficient in Java, Eclipse, Python; **Intermediate** in C++, HTML; **Exposure** to Javascript, CSS, Flask, Prolog,

EXPERIENCE

3 Day Startup Houston   October 2015
Co-Founder of nWay

- Developed idea for mobile application, providing navigation to the optimal parking garage based on medical center parking data, room-to-room navigation inside buildings, and updates on patient arrival within a radius of the medical center to medical professionals
- Consulted with people in the Texas Medical Center, such as the Director of Parking and Director of Technology, to validate the problem
- Created a 3-minute pitch and presentation to a panel of technology entrepreneurs and venture capitalists

Stanford Pre-Collegiate Summer Institutes   June 2014-July 2014

- Learned about search algorithms, trees, heuristics, neural networks, machine learning, and Artificial Intelligence techniques using Java and Prolog
- Implemented several different AI methods, including A* heuristic and utility-based search, for multiple projects such as an eight puzzle solver and a group final project, maximizing score in a mobile game called Smog Express

ACTIVITIES

Society of Asian Scientists and Engineers (SASE)   September 2015-Present
Treasurer

- Manage budget for the year for all events, including general meetings, professional development and networking workshops, and talks from influential engineers and scientists around Houston from places like Shell
- Coordinate with national chapter to advertise events such as the annual SASE conference and career fair and managed budget to reimburse students who pay to attend the conference

RiceApps   September 2015-Present
Software Developer

- Assigned to completely remake and improve the website for HackRice, Rice's annual hackathon, using Google App Engine and HTML, implementing features such as a sign-in, a team finder, and the ability to browse previous winners and projects
- Meet every week for 2-3 hours to coordinate ideas for projects and assign tasks for each team member to complete

Rice CS Club   August 2015-Present
Member of Technical Committee

- Help to plan and manage the logistics of Hack Rice, a hackathon accommodating over 300 people
- Organize and coordinate algorithm challenges and mock interviews with alumni for members

Strake Jesuit Computer Club   August 2013-May 2015
Co-Founder, Treasurer

- Managed budget for sending teams to coding competitions and ensured profits (20% profit margin) when hosting events
- Promoted learning coding through planning coding challenges that included gift cards as prizes
- Organized teams to compete in University Interscholastic League events and others like HP Code Wars

AWARDS: Top 10 team at HP Code Wars Houston, AP Calculus BC Student of the Year Award, National AP Scholar, AP Scholar with Distinction, National Merit Commended Student, AP Computer Science Student of the Year Award