Justin Fan
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Education

Rice University, Houston, Texas *Expected May 2019*
B.A. in Computer Science
GPA: 3.62/4.00 || Major GPA: 3.68 / 4.00
Relevant courses*: Reasoning about Algorithms, Advanced Object-Oriented Programming, Fundamentals of Parallel Programming, Introduction to Computer Systems, Principles of Programming Languages*

Skills

Languages	Java, Python, C *(Worked with: HTML/CSS, JavaScript, SQL)*
Frameworks	Angular, React, Node.js, Bootstrap
Tools	IntelliJ, Eclipse, VS Code, Git & Github, PyCharm, Atom
Other Languages	Mandarin and Cantonese

Experience

Technology Consultant Intern| Credera *Summer 2018*
Implemented a customer acquisition website and customer portal for C Spire
- Improved responsiveness of the customer portal's user interface using Angular and Bootstrap/CSS.
- Conducted page audits with lighthouse, analyzing results to identify potential performance optimizations and generate tasks for the team's sprint backlog.

Teaching Assistant | *Rice University* *Spring 2018*
Object Oriented Programming
- Held weekly office hours to help students better understand common design patterns and graded weekly assignments

Research Assistant | Rice University *Summer 2017*
Developed and parallelized a prototype simulator for a basic data-flow processor
- Partnered with a MIT research affiliate to integrate a hardware simulator with Rice's pedagogic parallel programming model.
- Employed the Actor model's asynchronous message passing to improve performance of the simulator.
- Led the testing of the simulator on large computer clusters using Bash Scripts and presented the results to a team of researchers at Rice's Computer Science Department.

Member | Rice Coffeehouse *Summer –Fall 2017*
Worked with a team of 45 students for an on-campus student-run coffeehouse
- Chosen out of a pool of 50 applicants for having conflict management skills, showing dedication to community, and being well suited for team-oriented environments.
- Participated in monthly strategy discussions to ensure employee conduct and practices aligned with the business's mission and values.
- Took weekly records of finances for the largest volume independently owned coffee shop in Houston

Member | *Nocturnal:* **Rice's premiere a cappella group.** *Fall 2016 - Present*
Composed music / performed as a baritone for Nocturnal
- Performed in 2 on-campus shows per semester.
- Applied background in music theory and worked in conjunction with the musical director to edit and finalize music for performances during the academic year.

Projects

RMI Chat program *Spring 2017*
Designed and implemented an API for a Java RMI Application
- Worked in a 6-person team to develop an API for network communication that was selected to be used by the entire class.
- Implemented and designed a chat program using principles of Object-Oriented Programming and the Model-View-Controller design pattern.
- Responded quickly to feedback from classmates on possible improvements and changes during the development phase of the in-class final project.

Songiphy | Rice Hackathon 2017 *Spring 2017*
- Built a lyric to GIF music video generator using Python and React with a team of 4 programmers in 24 hours