Gus Cantieni

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education

Brown University B.S. in Computer Science
GPA 3.9

Relevant Coursework Computer Networks, Deep Learning, Object Oriented Programming, Computer Systems, Logic for Systems

work experience

summer software engineer

- Designed scalable loading interface for Angular app
- Refactored and debugged password validation
- Gained familiarity with git, Angular 6, CouchDB, docker, vagrant, and more
- Pitched app at Cambridge Innovation Center conference , drawing in seven potential clients

introduction to computer systems teacher's assistant

- Helped hundreds of students with tricky bugs and conceptual questions during weekly lab and code hours
- Assessed students' performance and offered feedback during weekly gradings
- Gained a thorough understanding of C, x86, processes, multi-threading, mutexes, signal handling, and more

projects

tcp

- Implemented Transfer Control Protocol, the backbone transport protocol of the modern internet
- Overcame subtle concurrency-related bugs and deadlocks through persistent and systematic debugging
- Collaborated with a tight-knit team of students, keeping an organized list of bugs and suggesting methods to divide and conquer
- Learned golang and the use of channel oriented concurrency

oasis

- Spearheaded Android development and conceptual design for app that connects those who have experienced personal tragedies
- Unsupervised machine learning algorithm connects users of similar background and demographic
- Represented Brown in hackathon and competed against more than 500 students

hive mind

- Self-taught the syntax and tooling of modern JavaScript by implementing a simple strategy game
- Explored both object oriented and functional styles
- Experimented with different JavaScript libraries and approaches, learning how to host a webpage, bundle and transpile JavaScript files, and incorporate npm (node package manager) libraries

skills

languages

Golang, Python, JavaScript, C, Java

technologies

Linux, LaTeX, Angular 6, Vim