

Ryan Pon

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EDUCATION

University of California, San Diego

2008 - 2012

Four time recipient of Provost Honors

Relevant courses:

- Intro to CS & Object Orientation in Java, Intro to Discrete Mathematics, Basic Data Structures & Object Oriented Design, Intro to Unix/Linux

EXPERIENCE

ShortCircuit Inc. (YC W13)

Sept 2012 - present

Software Engineer, Backend

- Primarily self-directed.
- Worked on the SF transit app Rover(roversf.com), which serves thousands of users daily.
- Designed and implemented majority of the current production backend from ground up.
- Wrote business logic for handling realtime data.
- Implemented scalable routing algorithm for mass transit. Replaced existing algorithm with increase in performance of up to 10^2 and significant optimizations in memory usage.
- Managed backend production releases to EC2 and Heroku.

DJ Display

Summer 2012

- Timer-based display program for Cheryl Burke Dance.
- Replaced old program, allowing DJ to advance the queue automatically after every song.
- Created GUI using wxPython.

SKILLS

Languages

Python, Java, C, JavaScript, Go

Technologies

Memcached, Flask, MongoDB, SQLite, Postgres, Git

Platforms

Heroku, AWS/EC2, Linux/Unix