

# Ryan Pon

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## EDUCATION

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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

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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 real-time 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

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*Languages*

Python, Java, C, JavaScript, Go

*Technologies*

Memcached, Flask, MongoDB, SQLite, Postgres, Git

*Platforms*

Heroku, AWS/EC2, Linux/Unix