

Ryan Pon

rpon00@gmail.com

SUMMARY

- Proven ability to understand challenging assignments, as well as research and design algorithms and solutions.
- Fast and active learner of new skills and technologies.
- Experienced with small startup environment and aggressive schedules.
- Working understanding of the entire end-to-end process of supporting smartphone apps.
- Excellent communication and feedback skills.

EDUCATION

University of California, San Diego

Graduated June 2012

Bachelor's Degree GPA: 3.5 – Four time recipient of Provost Honors

PROFESSIONAL EXPERIENCE

ShortCircuit Inc. (Y Combinator W13)

Sept 2012 - present

Software Engineer, Backend

- Self-starter; worked well independently and as part of a team.
- 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 from several 3rd party sources.
- 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, including the testing required for smooth, problem-free updates.

PROJECTS AND AWARDS

Best Collaboration at Reroute/sf Hackathon

October 2012

- Created a heatmap showing how far one could travel in any direction in 30 minutes using public transit, which was then visualized on the map.
- Prepared data for the heatmap by modifying a breadth-first shortest path algorithm to do distance calculations in all directions.

Personal Website (ryanpon.com)

March 2013

- Hosted on my EC2 micro instance running Apache2 with Flask.
- Clean, elegant, and responsive design aided by Twitter Bootstrap

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, C, Java, JavaScript, HTML/CSS, Go

Technologies

Memcached, Flask, MongoDB, SQLite, Postgres, Git

Platforms

Heroku, AWS/EC2, Linux/Unix

U.S. Citizen