ROHAN RAMCHAND

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EDUCATION

The University of Texas at Austin (Austin, TX)

August 2013 - expected May 2017

BS Computer Science (Turing Scholar) | BS Pure Mathematics

Courses Taken

Discrete Mathematics (Honors)

Data Structures (Honors)

Computer Organization and Architecture (Honors)

Operating Systems (Honors)

Algorithms and Complexity (Honors)

Artificial Intelligence (Honors)

3D Reconstruction and Computer Vision

Public Policy and the Digitally Native Technologist (Honors)

Algebraic Structures I

Real Analysis I

SKILLS

Programming

Proficient in Python, Java, C++, and JavaScript

Exposure to meteor.js, MongoDB, Android, Assembly, C, Google App Engine, Ruby on Rails, and HTML5/CSS3

Selected Projects

Taskless meteor.js-powered web application that intelligently schedules

tasks into Google Calendar

Tsoogle (Turing Scholars Google)

Data Structures project that efficiently and compactly indexes a web, with

a guery engine that supports complex gueries

PiPrint Remote print server that allows users to upload files to Raspberry Pi and

print from anywhere in the world

EXPERIENCE

Financial Software Developer Intern, Bloomberg LP Core Financial Applications | New York City, NY

Summer 2014

- Developed a function to view historical volatility data, leading to a \$14M revenue increase from volatility data sales
 - Became proficient with full-stack development, from creating a cache from scratch using a second-chance algorithm to writing a fully-functional UI
 - o Gained experience with the process of code review and performance analysis
 - Developed working proficiency with SVN, Phabricator, and dpkg
 - o Built a caching interface using experimental new technology to speed up team's backend from scratch
- Developed and helped give a seminar on executive presence, leadership, and success in R&D

Research Intern, Institute on Neuroscience and the Law Baylor College of Medicine | Houston. TX

Summer 2013

- Created, designed, and implemented a set of nine psychosomatic tests in Java for Android
- Investigated and quantified data from Harris County Police Department about unsolved murders in Harris County

VOLUNTEERING, LEADERSHIP, AND AWARDS

- Director of the Texas Songhorns (UT a cappella group)
- Placed in top 15% at three global CTF-style hackathons with other programmers in high school
- Freshman Pod Mentor, UTCS Pod Program
- Student blogger, UTCS

Interests: program analysis, differential geometry, complex analysis, abstract algebra, vocal performance, piano, Pokémon