Raphael Deem

raphael.deem@gmail.com | 503.740.8347

EDUCATION

REED COLLEGE
BA in Mathematics
May 2010 | Portland, OR
Wrote thesis on error-correcting codes used in communications engineering.

DE LA SALLE NORTH CATHOLIC
May 2005 | Portland, OR
Funded tuition for four years by participating in an experimental, immersive work study program. First graduating class.

LINKS

Github:// **r0fls**
LinkedIn:// **Raphael Deem**
StackOverflow:// **r0fls**

COURSEWORK

UNDERGRADUATE
Information Retrieval
Operating Systems
Artificial Intelligence + Practicum
Functional Programming
Computer Graphics + Practicum
(Teaching Asst)
Unix Tools and Scripting

SKILLS

PROGRAMMING
Over 5000 lines:
Java • Shell • Python • Javascript
OCaml • Matlab • Rails • LaTeX
Over 1000 lines:
C • C++ • CSS • PHP • Android
• MySQL • PostgresSQL
Familiar:
AS3 • iOS • Android • MySQL

EXPERIENCE

SELLERENGINE SOFTWARE | Automation Engineer
Mar 2015 - Present | Portland, OR

HURON CONSULTING | SQL Developer
Oct 2013 – Aug 2014 | Lake Oswego, OR
- 52 out of 2500 applicants chosen to be a KPCB Fellow 2014.
- Led and shipped Yoda - the admin interface for the new Phoenix platform.
- Full-stack developer - Wrote and reviewed code for JS using Backbone, Jade, Stylus and Require and Scala using Play

DUNTHORPE MARKETING | Data Specialist
Mar 2013 – Oct 2013 | Portland, OR
- Worked on the YouTube Captions team, in Javascript and Python to plan, to design and develop the full stack to add and edit Automatic Speech Recognition captions. In production.
- Created a backbone.js-like framework for the Captions editor.

STREAM GLOBAL SERVICES | Networking Specialist
Jan 2013 – May 2013 | Palo Alto, CA & Ithaca, NY
- Phabricator is used daily by Facebook, Dropbox, Quora, Asana and more.
- I created the Meme generator and more in PHP and Shell.
- Led a team from MIT, Cornell, IC London and UHelsinki for the project.

RESEARCH

CORNELL ROBOT LEARNING LAB | Researcher
Jan 2014 – Jan 2015 | Ithaca, NY
Worked with **Ashesh Jain** and **Prof Ashutosh Saxena** to create **PlanIt**, a tool which learns from large scale user preference feedback to plan robot trajectories in human environments.

CORNELL PHONETICS LAB | Head Undergraduate Researcher
Mar 2012 – May 2013 | Ithaca, NY
Led the development of **QuickTongue**, the first ever breakthrough tongue-controlled game with **Prof Sam Tilsen** to aid in Linguistics research.

PROJECTS

Year	Rank	Project
2014	top 52/2500	KPCB Engineering Fellow
2014	1st/50	Microsoft Coding Competition, Cornell
2013	National	Jump Trading Challenge Finalist
2013	7th/120	CS 3410 Cache Race Bot Tournament
2012	2nd/150	CS 3110 Biannual Intra-Class Bot Tournament
2011	National	Indian National Mathematics Olympiad (INMO) Finalist