

RANSOM WILLIAMS

601 620 7030 ◇ auvergnerw@gmail.com

EDUCATION

California Institute of Technology

June 2010

B.S. in Mathematics **Southwest University for Nationalities**

October 2012 - July 2014

Mandarin language courses

RESEARCH EXPERIENCE

SURF (Summer Undergraduate Research Fellowship), Caltech

Summer 2005

Mathematics , Prof. Wilson

- Studied Tutte's 5-flow conjecture, an old problem
- Proved a restricted case

Ecoinformatics Summer Institute, OSU

Summer 2007

Ecology, Atmospheric Science, Computer Science, Mech. Engineering ,

- Work with undergraduate and early graduate researchers in an multidisciplinary environment
- Studied shallow, gravity-driven fluid flow

WORK EXPERIENCE

Filentech

October 2014 - December 2014

Web Developer

Manila, Philippines

- Built a web-based accounting system and cash portal for an online casino
- Java backend with Play, simple AJAX frontend with JQuery

Cinafides Consulting

March 2013 - June 2014

Systems Developer

Chengdu, China

- Rapid prototyping of web and mobile applications
- Hacked out some short-term projects
- Gained business experience and client-facing insight

Synaptics

March 2011 - July 2012

Simulation Engineer

Santa Clara, CA, USA

- Designed, developed, and maintained automated hardware testing framework
- Firmware build system edits

TECHNICAL STRENGTHS

Computer Languages

C, Python, Java, Bash, Haskell, Clojure, Javascript

APIs

android, django, flask, express, play, angular

Tools

emacs, make, npm, intellij, git, maven, Debian