

RANSOM WILLIAMS

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EDUCATION

Southwest University for Nationalities

October 2012 - July 2014

Mandarin language courses

California Institute of Technology

June 2010

B.S. in Mathematics

2015–2016 ACTIVITIES

Tutoring

September – Present

private lessons, a tutoring center (2015 only), and volunteering through School on Wheels

Cognitive science

August – Present

planned productization of UCLA Prof. L. Shams and colleagues' work, participation in weekly lab meetings

Recreational math

July – Present

weekly meetings with a friend to discuss readings in pure math (algebra, logic, geometry)

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

RESEARCH EXPERIENCE

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

SURF (Summer Undergraduate Research Fellowship), Caltech

Summer 2005

Mathematics , Prof. Wilson

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

TECHNICAL STRENGTHS

Computer Languages

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

APIs

android, django, flask, express, play, angular, JUnit

Tools

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

Concepts

HTTP REST APIs, OOP, FP