

# RANSOM WILLIAMS

601 620 7030 ◇ auvergnerw@gmail.com

## EDUCATION

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**California Institute of Technology**

*June 2010*

B.S. in Mathematics

**Southwest University for Nationalities**

*October 2012 - July 2014*

Mandarin language courses

## RESEARCH EXPERIENCE

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**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

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**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

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**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