RANSOM WILLIAMS

601 620 7030 ⋄ auvergnerw@gmail.com

EDUCATION

California Institute of Technology *June 2010*
B.S. in Mathematics

Abstract algebra, real and complex analysis, topology, combinatorics, dynamical systems
Special relativity, one-dimensional quantum mechanics
Fluid flow and Thermodynamics (Mech. Engineering)

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