

DANIEL NI

☎ (610) 908-7871 • ✉ danielni@wustl.edu • 🌐 www.danielni.me • 📱 DanielNi • 🏠 St. Louis, MO 63112

EDUCATION

Washington University in St. Louis

Bachelor of Arts Candidate in Mathematics and Computer Science

St. Louis, MO
Expected May 2016

- **Cumulative GPA: 3.88 / 4.00**
- Relevant coursework:
 - Algorithms and Data Structures
 - Introduction to Systems Software
 - Linear Algebra
 - Introduction to Mathematical Analysis
 - Object-Oriented Programming in C++
 - Introduction to Artificial Intelligence
 - Intermediate Statistics and Data Analysis
 - Entrepreneurial Finance

EXPERIENCE

Answers Corporation

Software Development Engineer

St. Louis, MO
May 2014 – present

- Contribute to a team working on Answers Brand Pages, a brand new cloud service for businesses
- Develop full stack modules in the Rubix framework using PHP, MySQL, JavaScript, JQuery, and JSON
- Collaborate with the design team to optimize client-side interactions and the overall user experience
- Created a front-end tool for users to keyword search for Q&A on Answers.com, including features such as advanced search filtering, instant results through AJAX, and infinite scroll
- Built a page for companies to view and edit new, algorithmically ordered Q&A related to their brand
- Transitioned to part-time employment after a successful summer internship

Washington University Department of Chemistry

Research Intern

St. Louis, MO
Summer 2013

- Independently planned and implemented a research project under the supervision of Dr. Peter Gaspar
- Developed computational models of the chemical reaction mechanisms of silicon molecules using Spartan and Gaussian computational chemistry software
- Co-authored a paper published in a journal and presented research to the public at a research symposium

Cornerstone: The Center for Advanced Learning

Math Mentor

St. Louis, MO
Sept. 2013 – present

- Tutor groups of 2-5 students in discrete math and multivariable calculus on a weekly basis

Green Events Commission

Webmaster

St. Louis, MO
Sept. 2012 – present

- Designed and currently maintain the Green Events Commission public website
- Provide environmental consultation and act as a sustainability liaison to student groups on campus

PROJECTS

Atlas

Developed a web application using the Django framework and Google Maps JavaScript API that allows users to document and share the places they've traveled around the world

Saurus

Designed and built an original Android game that is available in the Google Play Store

Soundboard

Built an interactive HTML5 and JavaScript app that plays sound clips from different songs

WeReader

Created a Google Chrome extension with Facebook and Firebase integration at the HackIllinois hackathon

Combination Board Game

Wrote a two player combination board game of Magic Square, Nine Almonds and Reversi in C++ that is played in the console

SKILLS

Technologies: Java, Python, C++, PHP, JavaScript, HTML, CSS

Platforms: jQuery, Django, Android

Foreign Languages: Mandarin Chinese, conversational Spanish