Russell Nibbelink

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EDUCATION
- Studying Electrical Engineering and Computer Science at _University of California, Berkeley_ (Graduating 2017)
- _Le Lycée Français de Los Angeles_ (Class of 2013): GPA = 4.0 out of a 4.0

NOTABLE COURSEWORK
- Structure and Interpretation of Computer Programs, _Python_ (Fall 2013)
- Data Structures, _Java_ (Spring 2014)
- Great Ideas in Computer Architecture, _C_ (Fall 2014)

SKILLS
- Proficient in **_Java_, _Python_ and _Scheme_** programming languages
- **_Responsive web development_** in HTML, CSS, and JavaScript.
- Fluent in **English**, **French**, and **German**, Conversational in **Spanish**, Knowledge of **Chinese**
- Holder of American, German, and Canadian citizenships.

PROGRAMMING PROJECTS

Twitter Trends   2013
- Developed a geographic visualization of Twitter data across the USA.
- Collected public Twitter posts that have been tagged with geographic locations.
- Filtered tweets by a keyword query term, and assigning a sentiment value to each tweet.
- Aggregated tweets by the state with closest geographic center, and coloring each state based on sentiment.

Scheme Interpreter   2013
- Wrote an interpreter for the Scheme language, using Python.
- Then used Scheme to create recursive art with the help of the Turtle Graphics module.

Dice-Game   2013
- Coded a simulator and multiple strategies for the dice game "Hog".
- Implemented the game itself.
- Came up with a simulated player that was extremely effective and hard to beat.

Image Processing Operations   2014
- Created my own Data Structures to represent images.
- Wrote an algorithm to blur images a variable degree of blurriness.
- Implemented edge detection using Sobel's Algorithm to create a black image with white outlines.
- Coded a converter to change an image into a run-length encoding and back.

EXPERIENCE

Paid Summer Intern at Fresh Interactive   Summer 2014
- Summer intern doing Web Development.
- Built responsive websites using HTML, CSS, and JavaScript.

Paid Computational Nuclear Engineering Research Assistant   2014-present
- Collaborating on a project to create a full Nuclear Fuel Cycle Simulator.

Website Manager for Cal Performances   2014-present
- Automating website using PHP.
- Keep the content of the website up to date.

SAT/ACT and AP Tutor   2013
- Through referrals, I became "go-to" SAT/ACT/AP tutor at my high school.
- My students received top marks.

Global Outreach - President   2012 - 2013
- Led a student run charity organization, and raised the most money in "Global Outreach" 's history.

Model United Nations - Secretary   2010 - 2013
- Represented controversial countries such as Saudi Arabia and Russia in regional debate conferences.
- Won the most awards at my school ever.

The Roar – Journalist   2010 - 2013
- One of the more prolific writers for my school paper, featured on the front page several times.

Varsity Basketball and Volleyball – Captain   2011 - 2013

HONORS & AWARDS
- Commended by the National Merit Scholarship Program
- University of California Eligibility in the Statewide Context
- Baccalaureate (2013): Passed with "High Honors" (National French Qualifying Exam)