

EDUCATION

- Studying Electrical Engineering and Computer Science at University of California, Berkeley (Graduating 2017)
- Le Lycée Français de Los Angeles (Class of 2013)

NOTABLE COURSEWORK

- Structure and Interpretation of Computer Programs, *Python*, *Scheme* (Fall 2013)
- Data Structures, *Java* (Spring 2014)
- Great Ideas in Computer Architecture, *C*, *Assembly Language* (Fall 2014)

SKILLS/MISCELLANEOUS

- Proficient in *Java*, *Python*, *C* and *Scheme* programming languages, experience with *Hadoop*, *Spark* and *SQLite*
- Responsive web development** in HTML, CSS, and JavaScript
- Basics of **iOS App development**
- Fluent in *English*, *French*, and *German*, Conversational in *Spanish*, Knowledge of *Chinese*
- Holder of American, German, and Canadian citizenships.
- Hobbies include Skateboarding, Winter Sports, Basketball, and Soccer
- President of my High School Charity Organization – Global Outreach
- Winner of several High School Model United Nations Awards

EXPERIENCE

<i>Technologically Enhanced Cutlery Startup</i>	Present
<ul style="list-style-type: none"> Connecting Bluetooth enabled accelerometer to iOS and Web Applications. Using Built.io on the backend. Providing meaningful Data to the user about eating habits. 	
<i>Paid Summer Intern at Fresh Interactive</i>	Summer 2014
<ul style="list-style-type: none"> Summer intern doing Web Development/Design Built fully responsive websites using HTML, CSS, and JavaScript/JQuery Highlights include http://www.5freshyears.com and http://nextonsc.com/ 	
<i>Paid Computational Nuclear Engineering Research Assistant</i>	2014-present
<ul style="list-style-type: none"> Collaborating on a project to create a full Nuclear Fuel Cycle Simulation. Only Undergraduate Student in Research Consortium Working with Python and SQLite Database. Open Source code on http://www.github.com/russellnibbelink 	
<i>Website Manager for Cal Performances</i>	2014-present
<ul style="list-style-type: none"> Automating and optimizing website using PHP. Keep the content of the website up to date. 	

CLASS PROGRAMMING PROJECTS

<i>Twitter Trends</i>	2013
<ul style="list-style-type: none"> 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. 	
<i>Scheme Interpreter</i>	2013
<ul style="list-style-type: none"> Wrote an interpreter for the Scheme language, using Python. Then used Scheme to create recursive art with the help of the Turtle Graphics module. 	
<i>Dice-Game</i>	2013
<ul style="list-style-type: none"> 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. 	
<i>Image Processing Algorithms</i>	2014
<ul style="list-style-type: none"> Created my own Data Structures to represent images and compress them 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 compress an image into a run-length encoding and back. Compared to images taken next to each other to create a depth-map. 	