**EDUCATION**

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| **University of California, Berkeley** | **May 2016** |
| Major: Electrical Engineering and Computer Science GPA: 3.88 | |
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| **Relevant Coursework:** |  |
| Data Structures, Machine Structures, Software Engineering, Artificial Intelligence, Computer Security, Algorithms (CS170), Macintosh Student Developers for OS X, Microelectronic Circuits  **PROJECTS**  **Personal Project – IrrationalMind – github.com/Fortisque/irrational\_mind January 2014**   * Built and designed a web app with Ruby on Rails. On inputs of decimal numbers, translates into approximate rational numbers. E.g. 0.392699 -> /8   **Photo Evidence Gallery – github.com/cs169-2013/photo\_evidence\_gallery Fall 2013**   * Developed a Ruby on Rails application for Bay Area Mountain Rescue Unit that is a secure photo repository to quickly share law-enforcement sensitive information. * Used Agile development to implement features: cropping, rotation, batch uploads, geotagging   **Matrix Multiply - CS61C Machine Structures Summer 2013**   * Had the fastest algorithm among 140 students using register/cache blocking, SSE instructions * Utilized the framework pthreads for parallel processing, distributed the load over 16 logical cores   **Network – CS61B Data Structures Spring 2013**   * Created an algorithm to play the game of Network using concepts of intermediate board evaluation, hash mapping, and Alpha-beta pruning that won a bracket based tournament in a class of 500 | |

**BluetoothMarkers! – github.com/Fortisque/BluetoothMarkers December 2012 – May 2013**

* Designed and built an iPhone app that tracks where you parked you car
* Worked with the Mapkit and Core Bluetooth frameworks to automatically throw down “markers” on a map at the location when a Bluetooth connection fades

**EXPERIENCE**

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| **Facebook Open Academy Spring 2014**   * Invited by Professor Armando Fox to attend Facebook’s Open Academy Program * Working on with a team of students from universities around the world to contribute to the open source codebase with the help of experienced mentors. * Active contributor to Ruby on Rails   **CS61A – Computer Programs, CS61C – Machine Structures Fall 2013** |
| *Academic Intern (Lab Assistant)* Berkeley, CA |
| * Answered student questions in labs and office hours * Taught and reinforced concepts through lab exercises * Graded labs by verifying understanding and completeness |

**Activites**

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| **HKN – EECS Honors Society Fall 2013 - Present**  **Computing Services Officer**   * Full stack development for the Ruby on Rails HKN website – hkn.eecs.berkeley.edu * sysadmin - Maintain servers, user accounts, and mailing lists |
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**Skills**

Programming Languages – Ruby, Javascript, HTML, CSS, C, Objective C, Python, Java