**JAMES S. KAHNG**

21730 Golden Springs Rd. ▪ Diamond Bar, CA 91765 ▪ jameskahng@gmail.com ▪ 408.250.4705

**Passionate, hard-working problem-solver with a genuine interest in software design. Takes pride in my small projects in C++, Java and Python and am working on developing my skills for larger projects in the future. Love of programming moved me to learn beyond scope of coursework, dabbling in Javascript, web application development and algorithm design. Looking for a position where I can apply and develop my skills in software development and make a strong impact on my workplace.**

**QUALIFICATIONS**

* **Currently pursuing a Master’s degree in Computer Science.** I am currently taking the final requirements needed to apply for a Master’s degree at Cal Poly Pomona and will be attending in the Fall, given that I am accepted.
* **Strong aptitude in object-oriented languages.** 2 years academic experience in programming, completing college coursework in C++ and Java. Developed non-trivial projects in both languages including a JApplet game and a memory allocation program in C++. Took online courses in Python and JavaScript developing my skills in Python through the search engine and web development courses on Udacity.
* **Knowledge of web technologies.** Through my experience in the web development course I have learned the basics of HTTP, CSS, Django, XML, JSON, cookies and encryption. I have also taken an online course on JavaScript.
* **Passion for technology and coding.** Developed a passion for computer science through my CS courses at UCSD and decided to pursue Master’s degree at Cal Poly Pomona which I will be attending in the Fall. Constantly pursuing new knowledge and technologies to learn and apply. Currently learning MIPS Assembly at Pomona and web development and algorithm design through online courses.
* **Proficient in web development, programming and testing.** I have experience in programming, web development and I have also taken a course in debugging and testing where we went over profiling, debugging tools and source control.
* **Relevant pluses.** I have worked in the Linux environment through all my CS courses and worked with GQL (similar to MySQL) to develop a database for my web application. I am very interested in Android/iPhone development.

**EDUCATION**

Sept. 2007 – **University of California, San Diego La Jolla, CA**

Jun. 2012 B.S. Bioengineering: Bioengineering

3.23 GPA

Jan. 2013 – **Cal Poly Pomona Pomona, CA**

Present Open University, Computer Science

**RELEVANT EXPERIENCE**

**Aug. 2011- Programming Experience**

**Jun. 2012**

* Took coursework at UCSD for C++ and Java where I learned data structures, testing and the basic topics for each language (encapsulation, memory allocation, inheritance).
* I have since taken assembly and computer logic at Cal Poly Pomona.
* Most challenging projects in each language so far were a C++ program to allocate memory, a JApplet game involving letters bouncing around a screen, and an Assembly program converting a decimal number to binary.
* Coursework online in Python and Javascript on free programming websites. Developed web application in Udacity course that involved work with Google App Engine, HTML, and MySQL. The application allowed a user to signup, sign in, upload text to a blog and in the process I learned about cookies and web encryption.

**Sept. 2011- Machine Design Partner,** Mobility Research **Tempe, AZ**

**Apr. 2012**

* Worked with a team of colleagues to develop a gait-therapy device.
* Learned the process involved in developing new technology. We worked through the entire process from brainstorm to design and finally fabrication. We brainstormed the best way to solve the presented problem, and then we determined the importance of each feature. After we had narrowed the design down to where it would be feasible, we proceeded to buy components and fabricate corresponding parts.

**Aug. 2011- Research Assistant****San Diego, CA**  
**Jun. 2012** University of California: San Diego

* Worked with a Ph.D. student in conducting biomedical research with mammalian stem cells. Assumed a variety of responsibilities in the laboratory.
* Developed skills and experience in troubleshooting problems. The experiments involved many unknown factors that made it challenging to isolate what we wanted to learn about our test sample. I learned how to systematically rule out factors until I had the problem isolated without losing time by repeating work or wandering aimlessly.