Iman Zakeri

LinkedIn.com/in/ImanZakeri • (310) 880 - 2702 • Zakeri@usc.edu

EDUCATION
University of Southern California, Los Angeles, CA   **May 2017**
Bachelor of Science, Computer Science – **Honors Engineering**
Cumulative GPA: **3.98/4.00** (120+ Units)

Dean's Scholarship – Awarded with Full USC Tuition & Housing (63K/Year until graduation)
Research Funding – Awarded by University of Washington to improve the BGP network
Masters in CS – Accepted to accelerated 1-Year Masters Program based on GPA - Class of 2018

TECHNICAL SKILLS
Programming Languages & Software: **Proficient:** C++   **Familiar:** Python, Bash, Git, Java(current class)
USC Certification Classes: Ethical Hacking, Mobile App Development

WORK EXPERIENCE
Research Internship – Software Engineering (USC/University of Washington)   **Summer 2015**
BGP Network
- Created system to monitor BGP connections & BGP Autonomous Systems through Nagios, Quagga, SNMP
- Configured BGP Muxes to run self-developed Bash, Python, C++ scripts, and announcement experiments on BGP
- Manually compiled Nagios and Quagga to customize installation for peering test bed to connect with AS's on BGP

Improving Email Reliability & Performance
- Developed automated system to analyze every email sent through USC email servers to determine cause of delays
- Program measured delay by individual intermediate servers that an email travels through prior to final destination
- Program produces analysis report & CDF graph based on seconds elapsed due to downtime by intermediate servers

Undergraduate TA – Data Structures C++ Course *(Volunteer)*   **Summer 2015**
- Held exam review sessions, office hours, assisted students with labs, projects, and creating data structures ground-up
- Collaborated in a team environment with TA's to assist a class of 30 students

Police Cadet – *Lead Command Cadet*   **January 2013 – August 2014**
Santa Monica College Police Department
- Operated equipped Police vehicles and tactical gear; conducted hundreds of background searches & fingerprinting
- Trained 8 new-hires; entrusted with acclimating new Police Cadets with training, policies, standards, and ethics
- Created and maintained record database of thousands of citations and violations – RIMS database

PROJECTS
Ship Together
- Developed iPhone App prototype which users join a collective Amazon shopping cart to contribute to $35 Minimum

Sorry!
- Implemented Sorry! board game with GUI. User may play against several robots, programmed in Java.

Online Retail System
- Developed a Splay Tree to provide fast search functionality of products
- Implemented Dijkstra's Algorithm to find similarities between users to offer product suggestions
- Implemented a Hashing algorithm to encrypt and store hashed passwords
- Implemented GUI using Qt in C++

Image Processing
- Overlay green screen image on any background; through each RGB pixel layer through bitmap library in C++
- Program adaptable to any color 'green screen' background, with any added tints/shades/imperfections

Leadership: Co-Founder of a Petition to bring Men's Soccer to USC – over 1,000 signatures (Supported by Annenberg)
USC Clubs: ACM, IEEE, Brazilian Jiu Jitsu, Street Dance Society
Organizations: LimeConnect Finalist 2015, AccessComputing Member, CMD-IT Member
Fall 2015 Related Coursework: Java, Algorithms
Hobbies: Traveling in search of incredible surf, snorkeling, rock climbing, and acroyoga.