Iman Zakeri

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EDUCATION

University of Southern California, Los Angeles, CA | **GPA: 4.0**   **May 2017**
Viterbi School of Engineering
Bachelor of Science, Computer Science
Dean's Scholarship – Awarded with Full USC Tuition & Housing until Graduation (50K+/Year)

University of California Irvine, Irvine, CA | **GPA: 4.0**   **September 2012**
Henry Samueli School of Engineering

TECHNICAL SKILLS

Programming Languages & Software: C++ (Proficient), Python, Git
USC Certification Classes: Ethical Hacking, Mobile App Development

WORK EXPERIENCE

Police Cadet – *Second in Lead Command*
Santa Monica College Police Department   **January 2013 – August 2014**
- Operated fully equipped Government Police Vehicles and Police Tactical Gear
- Memorized PC and 10 Codes to communicate over Police Radios in a fast-paced environment
- Trained 8 new-hires; entrusted with acclimating new Police Cadets with policies, standards, and ethics
- Fingerprinted new college faculty hires and conducted background searches
- Created and maintained record database of citations and violations
- Collaborated with FBI, S.W.A.T., and Bomb Squad

PROJECTS

Research - Improving Email Reliability & Performance   **Next Assignment**: BGP Network
- Created an automated pipeline for all USC emails to be analyzed, collaborated in a research group setting
- Developed a program to detect delay by intermediate servers, and automated analysis report for emails

Ship Together
- Developed iPhone App prototype in which users join a collective Amazon shopping cart
- Each user in the collective cart contributes towards the $35 minimum for free shipping

Online Retail System
- Created different products using inheritance and polymorphism
- Implemented a Splay Tree to provide fast search functionality, based on intersection or union of search words
- 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++

Social Network
- Developed functionality to find Shortest Path of friend connections, Disjoint Sets of Friends, and Friend Suggestions based on Depth of Nodes

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

Audio Processing
- Automatically download user selected files from internet database
- Detected operating system, executed system commands to manipulate audio files to user specifications

RECENT ACTIVITIES

Programming: Currently collaborating with Kurzweil to implement a chrome extension for their software - Text to speech platform for individuals with reading disabilities
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
Reading: *The Power of Habit*
Favorite California Locations: Hollywood Sign Hiking Trail, Surfing at Malibu Beach, Yosemite National Park