Harish Shanker

shanker.harish@gmail.com ◆◆ (510) 364 4011

Education

GRE Quantitative: 170 / 170	**SAT 2 Math: 800 / 800**	**SAT 1 Math: 800 / 800**

Columbia University   **2016 - 2017**
MS: Computer Science – Machine Learning
University of California, Berkeley   **2012 - 2016**
BS: Electrical Engineering and Computer Science (EECS)

Computer Skills

Proficient in Java, Python, C#, C, jSoup, Telnet Library, Windows App Development, Android Development
Experience in C++, JavaScript, Ruby, Rails, jQuery, Numpy

Work Experience

Microsoft: Software Development Engineering Intern   (May 2015 – August 2015)
- Created new feature on Windows 10 that pins contacts to Start menu on Desktop, Tablet, and Phone using C#, C++
- Implemented a new Live Tile Template using XML to create animations that include Facebook and Twitter Updates
- Optimized social integration by creating cache to lower number of cloud calls

Juniper Networks: Software Engineering Intern   (June 2014 – August 2014)
- Created a remotely executable package from start to finish that tests the sanity of a loaded network stack module
- Wrote scripts in Python that analyze data on the JUNOS software and depending on results runs respective tests
- Built scripts in Python for dTrace Tool that examined the state at which a given kernel was at

Salesforce.com: Extern   (January 2014)
- Shadowed lead software engineer and exposed to the Force.com Platform team

Equinix: Software Engineering Intern   (June – August 2013)
- Worked with gamification 3rd party companies for customer facing and internal systems to design a web-app by working with different API's and implementing AJAX calls and jQuery
- Coded in Java to redirect server information from one server to another, using REST Services, Apache HTTP Client, and Apache Tomcat

Projects

Research at UC Berkeley: Machine Learning, Big Data – OskiLab   (August 2014 – Present)
- Using web-scraping, machine learning, and cloud computing to build and analyze new data sets on a variety of markets including bitcoin, wine, and real estate
- Analyzing data in the cloud using Hadoop

Walking DJ
- Used Internet of Things to create a wearable costume that plays music from Soundcloud accounts and adjusts lights
- Presented at Microsoft "OneWeek" Hackathon 2015

Cal Dining Application
- Scraped data from all of Berkeley's dining commons, including food, nutrition facts, and ingredients
- Created Android application that gives live updates on what food is being served at which location
- Allows one to keep track of calories, proteins, etc. someone is consuming

JPEG – PNG Data Extraction
- Created a metadata-extraction tool in C for PNG and JPEG images, by implementing decompression library
- Coded securely, free of memory-safety bugs to find out all hidden information in file

Leadership Skills

Project RISHI: non-profit organization whose mission is to promote the sustainable development and growth of rural Indian communities; identify issues central to communities and provide resources to implement solutions

Microsoft Student Ambassador: Chosen by Microsoft as a point of contact to Berkeley campus, helped with screening resumes and conducting info-sessions and events

Engineering 98: Introduction to Berkeley Engineering Instructor: Gave advice to students to freshman engineering students regarding college plans

HOPE: Hands On Practical Electrical Engineering Instructor: Instructed students in decal course for 2 hours per week in basic theory and practical electrical engineering

Institute of Electrical and Electronics Engineers (IEEE) Website Officer: Maintain Cal's Award Winning IEEE Website which runs on Ruby on Rails (Projects include Responsive Website, Yearbook)

Leadership Award Scholar: Part of Exclusive scholarship program at Berkeley that organizes community service projects and provides leadership development opportunities

Engineering Pitch Competition Sponsored by Apple and McKinsey – Finalist: Pitched an app for traffic/parking that will cause less congestion on roads; selected as one of the top 6 projects and presented to the whole audience