

Harish Shanker

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Education

University of California, Berkeley

(August 2012 – May 2016)

BS: Electrical Engineering and Computer Science (EECS)

Coursework: Machine Learning, Artificial Intelligence, Advanced Signals and Systems, Efficient Algorithms, Security, Data Science, Internet Architecture, Databases, Operating Systems, Data Structures, User Interfaces

Columbia University

(September 2016 – December 2017)

MS: Computer Science – Machine Learning

Coursework: Computer Vision, Machine Learning, Big Data and Computing

Skills

Languages: Python, Java, C, C#, HTML, CSS

Exposure: Numpy, Android Development, Windows Development

Work Experience

Microsoft: Software Development Engineering Intern (C++, C#)

(May 2015 – August 2015)

- Created a new feature on Windows 10 that pins contacts to Start menu using C#, C++
- Implemented a brand new Live Tile Template for the Start Screen 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 (Python)

(June 2014 – August 2014)

- Created a remotely executable package that tests the sanity of a loaded network stack module in JUNOS
- Wrote 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 (Java)

(June 2013 – 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 (Python)

- Using web-scraping, machine learning, and cloud computing to build and analyze in Hadoop new data sets on a variety of markets including bitcoin, wine, and real estate

San Francisco Police Dept. - Crime Data Analytics (Python)

- Used several machine learning and data science techniques to show common trends between crimes
- Created an application to provide users with the safest way to reach home, to avoid a possible crime

Spam vs. Ham, Digit Classifier (Python)

- Created algorithms for differentiating ham vs. spam and properly identifying handwritten digits 0-9, by implementing decision trees, SVM, Gaussian Models, Linear Regression, and Neural Nets

Earthquake Alert (Android)

- Android watch and phone app. that immediately alerts you when an earthquake strikes anywhere around the world
- Used Instagram API and Google Maps API to creatively display photos taken by users in the area

Walking DJ [Presented at Microsoft "OneWeek" Hackathon 2015] (C#)

- Using Internet of Things, create a wearable costume that plays music from SoundCloud accounts and adjusts lights

Leadership & Awards

CTO, Director of Special Projects, Education Project Lead for Project RISHI (NGO)

- Non-profit organization (503c certified) whose mission is to promote the sustainable development and growth of rural Indian communities
- Led initiatives to better school infrastructure in the village, provide innovative ways for kids to read and write, and connect villagers to higher education institutions

Leadership Award Scholar

- Merit-based scholarship that recognizes undergraduate students at UC Berkeley who demonstrate innovative, initiative-driven leadership impacting their academic, work, or community environments