

EDUCATION

University of California-Berkeley

Expected May 2016 | Berkeley, CA
Regents' & Chancellor's Scholar (Top 1.5%)

Major : Computer Science, Mathematics, Statistics and Cognitive Science.

Minor : Electrical Engineering, Ethnic Studies, Industrial Engineering and Operational Research

Berkeley High School

Graduated June 2012 | Berkeley, CA
Class of 2012, GPA – 4.92 | # 1

SKILLS

Proficient

Java • Python • HTML & CSS • JavaScript • Node.js • Databases • TCP/IP • Puppet • Perl • Git • LabView

Familiar

MongoDB • MySQL • PHP • C • EC2 • Shell Languages
English • Hindi • Bengali

COURSEWORK

Computer Science

Interpretation of Computer Programming (CS 61A)
Data Structures and Algorithms (CS 61B)
Computer Architect & Machine Structures (CS 61C)
Discrete Probability (CS 70)
Web Design and Development (CS 198)
Efficient Algorithms (CS 170) – Current
Computer Security (CS 161) – Current

Electrical Engineering

Microelectronic Circuits (EE 40)
Communication Networks (EE 122)
Hands on Electronics (EE 98)

Other

Numerical Analysis (MATH 128A)
Advance Linear Algebra (MATH 110) – Current
Concepts of Probability (STAT 134) – Current
Operational Research (IEOR 160)
Technology Leadership (IEOR 171)
Probability Engineering (IEOR 172)

LINKS

[LinkedIn.com/in/imranmyousuf](https://www.linkedin.com/in/imranmyousuf)

[Facebook.com/imyousuf](https://www.facebook.com/imyousuf)

[Instagram.com/imranzzz](https://www.instagram.com/imranzzz)

INTERESTS

Robotics • Design • Entrepreneurship • TED Talks
Education • Music • Soccer • Web Design • Programming • Data Science • Hackathons • Game Theory • MIT Media Labs • Culture

WORK EXPERIENCE

Umbrella Inc. | Co-Founder & CTO

Oct 2013-Present

- A social networking application that helps you connect to people you should know.
- Designed the architecture of the web platform and directed a group of four programmers.
- Created a virtualized server for the programming environment and the application is mostly programmed with Node.js using the express framework.

Wavespot | Software Development Winter Intern

Dec 2013-Jan 2013

- Developed a web application to send SMS to customers in a restaurants.
- Used the Twilio API to send SMS, the backend was written in PHP
- Helped with User Interface and User Experience development.

Windows Systems Administrator | Systems Administration and Support, UC Berkeley

Sep 2013-Present

- Independently manage a VMware environment of over 250 UNIX and Windows servers providing services.
- Maintain file sharing, print sharing, web, database, anti-virus, patch management, application virtualization.
- Ensure secure operation of all servers and services through the use of security and encryption tools such as IPsec, SSH, and SSL, and through extensive staff training and documentation.
- Develop and maintain Group Policies and scripts including testing new servers, services and writing scripts.

National Instruments | Month Long Software Development Extern

March 2013

- Strategically planned, developed strategies and researched competing trends with the Strategy Team.

Desktop Consultant | Student Affairs – IT, UC Berkeley

Mar 2013-Sep 2013

- Resolved Helpdesk tags using Remote Desktop, Remote Assistance, and Active Directory.
- Knowledge of TCP/IP and using Microsoft SQL server 2012.
- Imaged computers using Windows Deployment Services as part of troubleshooting on hardware deployment

Cashify | Software Development Intern

May 2013-Aug 2013

- Traffic analysis and development through servers and use of version control to push the code to the mainframe
- Development of a “whack-a-mole” animated game using HTML, CSS, JavaScript, and jQuery that promote financial literacy challenges and train students to become their own financial heroes.

Lawrence National Berkeley Lab | Research Intern, Department of Energy

Jun 2011-Aug 2011

- Research focus: Radioactive gamma radiation emission through plasmas particle.
- Worked along multiple graduate student projects in hands-on experiments and data analysis.

PROJECTS

Web Designer | Triangle Fraternity

- Designed and implemented a website to share the history and members of the fraternity.
- A mirror host is located at <http://trianglecal.nfshost.com/>

Fancy List | Word Processor

- Coded a new word processor engine for list, created a specific extension (.fl) to save and open the file. All the basic function of a word processor is included along with undo, redo in cache memory. Works on all java platforms.

Network | Board Game

- Made a two player board game in Java, with the objective of forming a connection of chips in the same color without interference of opponent's chips

Hadoop MapReduce | Hadoop framework on Amazon EC2

- Developed 2 Mappers and 2 Reducers to calculate co-occurrence rate of words by finding the distance between target word and other words in a large document.

Trends | Word Processor

- Tracked and analyzed Twitter "tweets" to attach sentiments to words and created trend charts of key words (Obama vs Romney) used in different locations across the United States.

Connect++ | Launch Hackathon Project

- Extracted data from Facebook and suggested friend through similar interest and likes within a network.

Web Admin | Database for SFBA (non-profit)

- Security, Database Admin and Programmer for SFBA; used several APIs and structured a database for event pictures and programmed the entire website