

Rohan Bhargava

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EDUCATION

UC San Diego

Major: Computer Science - Mathematics

Minor: Law and Society

Relevant Coursework:

Advanced Data Structures

Design and Analysis of Algorithms

Intro to Statistical A.I and Machine Learning

Software Engineering

Cryptography

Data Science

Bachelor of Science

June 2019

GPA:3.66

PROFESSIONAL EXPERIENCE

Software Engineering Intern

Dremio

June 2017—September 2017

Mountain View, CA

- Designed and developed macOS and Windows applications to launch the Dremio platform on personal computers allowing new users to quickly deploy and test the product; they received over 1000 downloads in the first week of launch
- Built an open source connector for SQL queries on Elasticsearch clusters, increasing data analysis workflow by 33% via eliminating the need for data warehousing and ETL methods
- Took ownership of a key proof of concept and worked with a key early customer to plan future features and triage bugs

Data Science Research Assistant

San Diego Supercomputer Center

January 2017—Present

San Diego, CA

- Designed software that analyzed millions of IPV6 traceroutes to identify and monitor critical cyberinfrastructure with Raspberry Pi monitors
- Optimized data collection to detect corrupt data and downed networks in real time, guaranteeing data quality with an effectiveness of 90%

Software Engineering Intern

Cisco Systems

June 2016—September 2016

San Jose, CA

- Created a series of dashboards that analyze and display thousands of supply chain orders and allow the user to interact with them in real time
- Developed a predictive algorithm that determined cost estimates for future quarters to help business analysts keep costs under budget
- Designed a console to integrate with JIRA and provide project managers an intuitive visual display to plan and allocate tickets

IT Help Desk Technician

UC San Diego

March 2016—December 2016

San Diego, CA

- Managed a network of over 5,000 devices and ensured their proper maintenance by providing technical software and hardware support
- Overhauled and updated proprietary software and system configurations on Windows based systems

PROJECTS

College Policing Analysis

June 2017

- Analyzed racial disparities in colleges and police forces across the country to determine if those disparities had any effect on policing
- Used linear regression to develop a model to predict the expected levels of racial similarity between college populations and campus police

SimPoll.me | Project Manager

March 2017

- Led the team through a 10-week hybrid agile and waterfall design process during CSE 110 (Software Engineering)
- Established the project scope and schedule, oversaw a risk-matrix, and directed team meetings
- Finished the quarter by launching an application to quickly and effectively poll groups to make efficient decisions

ForceFocus

September 2016

- Created a Google Chrome extension to maximize productivity by restricting access to distracting websites
- Limits Internet access automatically by analyzing your calendar to identify busy timeframes (Google APIs, Javascript)

Virtual Reality Jeep Adventure

October 2015

- Built a virtual reality game for the Oculus Rift and the Myo armband in less than 36 hours at SDHacks 2015
- Players travel down a path in a Jeep and shoot floating targets to earn points and beat the high score (Unity, C#)

CAMPUS INVOLVEMENT

Scholarship Chair

UCSD Student Foundation

October 2015—Present

UC San Diego

- Spearheaded the 2016 Senior Class Gift committee and campaign, raising \$2,500 from seniors to fund scholarships
- Part of a team to manage an endowment fund of over \$600,000 and lead stewardship and development events
- Coordinated a professional development networking night by moderating a Q&A panel of high-profile executives

Organizer

SDHacks and HackXX

December 2015—Present

UC San Diego

- Collaborated with dozens of tech companies to raise over \$100,000 and procure giveaway prizes and grants
- Negotiated new partnerships with food vendors to successfully organize meal logistics for over 1,000 students
- Directed a team of 25 volunteers to supervise participants and ensure the event ran smoothly

TECHNICAL SKILLS

Languages

- Proficient: Java, Python
- Familiar: C++, AngularJS, SQL

Tools

- Proficient: Git, Tableau, Pandas
- Familiar: UNIX, Bash, Elasticsearch