Rohan Bhargava

Bay Area, CA • (408) 694-2524 • rohan.bhargava@gmail.com • rohan-b.com

EDUCATION

UC San Diego *Bachelor of Science*
Major: Computer Science - Mathematics *June 2019*
Minor: Law and Society
GPA: 3.66

PROFESSIONAL EXPERIENCE

Software Engineering Intern *June 2017—September 2017*
Dremio *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 the customer to plan future features and triage bugs

Data Science Research Assistant *January 2017—Present*
San Diego Supercomputer Center *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 *June 2016—September 2016*
Cisco Systems *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 *March 2016—December 2016*
UC San Diego *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

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#)

Steganography Web App *September 2015*
- Developed a web application allowing people to send each other securely encoded messages (Python, Flask, JavaScript, Heroku)

CAMPUS INVOLVEMENT

Scholarship Chair *October 2015 —Present*
UCSD Student Foundation *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 *December 2015—Present*
SDHacks and HackXX *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: Python, Java
- Familiar: C++, AngularJS, SQL

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