

Shubha Swamy

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EDUCATION

University of Colorado Boulder

Expected Graduation: May 2020

B.S. Computer Science & Minor in Economics

Key Coursework: Data Structures, Computer Systems, Algorithms, Data Mining, Applied Econometrics, Intro. to AI, Databases, Principles of Programming Languages

PROGRAMMING LANGUAGES

Advanced: Python, C++, HTML /CSS
Intermediate: Java, JavaScript, SQL, C, R
Beginner: Scala, Go, React, Swift

OTHER TECHNICAL SKILLS

Advanced: Git, Unix/Linux, Mac OS X, Pandas, IPython, GitHub
Intermediate: AWS, Flask, Postman, Agile, Heroku
Beginner: Docker, MongoDB, PostgreSQL

WORK EXPERIENCE

Software Development Methods and Tools (CSCI 3308) | *Course Assistant*

Boulder, CO • August 2018 – Present

- Hold weekly office hours, maintain course website, assist during recitations, and help faculty in the preparation of lecture materials.

Typeform | *Developer Advocate Intern*

San Francisco, CA • June 2018 – August 2018

- Built new product integrations with Twilio, IBM Watson, Slack, accessible to millions of Typeform users.
- Improved efficiency by building a tool to automate keeping track of projects on GitHub built with Typeform's APIs.
- Updated API documentation, created technical blog content for Typeform's developer products, spoke at conferences about API products.

Pinterest | *Engage Scholar*

San Francisco, CA • June 2018 – August 2018

- Participated in a series of interactive sessions focused on technical and professional development for computer science majors which provided the skills to land, prepare for, and excel in Software Engineering positions.

RECENT PROJECTS

Open Source Analysis

February 2018 - May 2018

- Analyzed and published insights about open source projects including trends in programming languages, shifts in dependencies over time, and changes in contributions-- <https://bit.ly/2MplgeF>.
- Applied data mining techniques on hundreds of millions of data points using tools such as Python: IPython, Pandas, SciPy, NumPy, and AWS: EC2, S3, Cloud9.

Boulder Crime Data Explorer

January 2018- March 2018

- Developed a website that allows people to explore crime statistics and information; implemented D3.js, Bootstrap, Mapbox API, and Boulder Open Data.
- Won "Best UI/UX" and "Best Use of API" at T9 Hacks-- <http://bouldercrime.info>.

Mama

June 2017

- Built an SMS/ web platform that helps young mothers in refugee camps ask confidential questions about their health using Twilio, Python, JavaScript.
- Featured in Cosmopolitan magazine, and won award presented by Kleiner Perkins (KPCB) at Chimehack4 @ FacebookHQ -- <http://bit.ly/2ssQg5i>.

ACTIVITIES

Twitter | *#DevelopHER*

San Francisco, CA • June 2018

- One of 45 attendees selected out of 1200+ applicants to attend two-day interactive software engineering oriented program for computer science majors.
- Participated in professional and technical development including networking, personal branding, and resume writing.

Hack CU | *Director of Logistics*

Boulder, CO • December 2016 - Present

- Lead CU Boulder's annual hackathon (600+ hackers from across the world) and organize campus events to support the developer community in Colorado.
- Create marketing strategies to increase participation, manage team of 20+ students, organize event logistics, and helped raise \$150k+ for 2017 and 2018 from sponsors-- <http://hackcu.org>.

University of Colorado | *CU Computer Science Advisory Board*

Boulder, CO • February 2018 - Present

- One of 2 students nominated to CS advisory board, composed of prominent members of academia and industry, to offer guidance to computer science department to advance technology programs on campus.

Spectra | *Hacker Experience*

San Francisco, CA • January 2018 – Present

- Organize and design the experience for hackers at Spectra, an all women's hackathon in the Bay Area which has impacted 500+ women in CS.
- Curated technical workshops run by prominent members of industry, formed partnerships with companies, and led event logistics--<http://sospectra.com>.

CU Women in Computing | *Event Advisor*

Boulder, CO • August 2017 – Present

- Serve as an advisor, and organize events and programs on campus to increase minority participants in computer science--<http://wic.cs.colorado.edu>.

Other: NCWIT (Aspirations in Computing), Rewriting the Code (Fellow)

ACHIEVEMENTS

Grace Hopper Celebration Scholarship

Qualcomm, September 2018

Wozniak Scholarship

College of Engineering and Applied Sciences @ CU Boulder, August 2018

BOLD Scholar

BOLD Center @ CU Boulder, June 2018

Google Games 2nd Place

Google Boulder, May 2018

Global Citizenship by Kleiner Perkins (KPCB)

Chimehack4 @ FacebookHQ, June 2017

Other Interests: Running, Photography, Exploring Coffee Shops, Reading the News

Languages: Spanish (reading & writing)