

SOHAM SHAH

(720) 206-9207 ⇄ Soham.Shah@colorado.edu ⇄ <https://www.linkedin.com/in/sohamnshah>

EDUCATION

University of Colorado Boulder

8/2014 – 5/2018

- Master of Science: Computer Science | Graduate GPA: 4.0
- Bachelor of Science: Computer Science | Undergraduate GPA: 3.84
- Minor: Business

EXPERIENCE

Intuit – Central Technology Organization (CTO-Dev)

6/2017 – 8/2016

Software Engineer Intern

Mountain View, CA

- Design and create website to simplify customer onboarding to Unified Profile Store service
- Build Webserver for **REST APIs** using **Java**, **Jetty**, **Guice**, **Autumn**, deployed to **EC2** and **S3**
- Automate provisioning infrastructure on **AWS** using **Terraform** and store data in **MySQL** using **Amazon RDS**

Intuit – Intuit Data Engineering and Analytics (IDEA)

6/2016 – 8/2016

Data Engineer Intern

Mountain View, CA

- Help visualize flow of data through clickstream processing pipeline by creating real-time dashboards
- Build **Kafka Connect** consumer of 100,000+ events/day from **Kafka** on **AWS** across multiple **EC2** instances
- Index and display unstructured JSON data using **Elasticsearch** and **Kibana**

Laboratory for Atmospheric & Space Physics

10/2015 – 4/2016

Mission Operations and Data Systems Intern

Boulder, CO

- Update data analysis code for NASA's Solar Radiation and Climate Experiment (SORCE) satellite
- Design and run unit tests. **Java**, **JUnit**, **Jenkins**
- Query **Oracle** and **Sybase** databases

TECHNICAL SKILLS

- Languages: **Python** (proficient), **C++** (intermediate), **Java** (intermediate)
- Github: <http://github.com/soham-shah>
- Courses: Data Structures, Algorithms, Big Data, Artificial Intelligence, Scientific Visualization, Robotics

Projects

- Quantopian Algo Trader: Buy and sell matched, levered equity pairs using **Python**, **Numpy**
- FireViz: Visualize location, size, and source of fires in the US. **Python**, **Matplotlib**, **Numpy**, **Pandas**
- Sparki 2.0: Build 1/10th scale self-driving car using **Robot Operating System (ROS)** and **Python**
- Part of speech classifier: Build an artificial intelligence, hidden markov model. And used the Viterbi algorithm to find a word's part of speech given a sentence. **Python**
- SpaRoomba: Explore Roomba algorithms for mapping, odometry, and path planning. **Arduino**, **C**
- 2016 Sentiment analyzer: Analyze and display Twitter sentiment about presidential nominees. **Python**, **Spark**, **NLTK**, **AWS**, **Bootstrap**, **Chart.js**
- Bookshelf.me: Build object oriented program to track personal booklists. **Java**, **Swing**, **Hibernate**, **MySQL**

Competitions

- Target Coding Competition: **2nd Place**, team prize of **\$2000**
- UChicago Midwest Trading Competition: team prize **\$500**

EXTRACURRICULAR ACTIVITIES

Global Platinum Securities VP of Tech, Tech Sector Analyst

4/2016 – Present

- Manage and Invest **~\$270,000** with students from Boulder, Harvard, MIT, Georgetown, NYU, and Penn

Quadcopter Club Founder, President

1/2016 – Present

- Acquire grant funding of **~\$7300** to Design, Build, and Iterate an autonomous quadcopter from scratch

IT Student Governance Board Board Member

9/2015 – Present

- Provide student perspective on IT initiatives like: Google Apps for Education, and Adobe Creative Suite

Global Engineering Residential Program Teaching Assistant, Mentor

8/2014 – Present

- Lead group discussions on topics like artificial intelligence, advertising, ethics in tech, world news, etc.

HONORS AND AWARDS

- Dean's list: All Semesters
- Daniels Scholar: Receive full scholarship for Character, Leadership and Service