

Dhruv Singhal

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github.com/dhruvsinghal

Education

- Master of Science in Computer Science** from **Cornell University**, Ithaca, NY. 2017
Bachelor of Science in Computer Science from **Cornell University**, Ithaca, NY. 2015

Work Experience

Software Engineer at **Google, Inc.**, Sunnyvale, CA. June 2017 - Present

- Working on Context Aware Access controls for the **Google Cloud Platform**.

Software Engineering Intern at **Facebook, Inc.**, Menlo Park, CA. Summer 2016

- Added full backwards-compatible, platform-independent Unicode support to Facebook's **Watchman** project in **C** and **Python**.
- Created a Python **AsyncIO** client for interacting with the Watchman service.
- Project link: github.com/facebook/watchman.

Software Engineering Intern at **Google Youtube, Inc.**, San Bruno, CA. Summer 2015

- Integrated high quality signals into the backend used by YouTube Mix to recommend related music videos as well as for broad music search queries.

Engineering Practicum Intern at **Google, Inc.**, New York, NY. Summer 2014

- Modified schema and the **REST** API for a **No-SQL** database of employees and products.
- Created a reactive home page and several other pages for the web application that provides a view into the database using **AngularJS**.

Teaching Assistantship

- Operating Systems** as a Graduate Teaching Assistant Aug 2016 - May 2017
- Computer Vision** as the Head Teaching Assistant Jan 2016 - May 2016
- Systems Organization** as a Graduate Teaching Assistant Aug 2015 - Dec 2015
- Engineering Probability & Statistics** as an Engineering Peer Tutor Aug 2014 - Dec 2014
- Discrete Structures** as an Engineering Peer Tutor Jan 2014 - Dec 2014

Relevant Coursework

Systems Courses

Computer Architecture
Operating Systems
System & Network Security
Cloud Computing
Networks & Telecommunications

Artificial Intelligence Courses

Artificial Intelligence
Machine Learning
Computer Vision
Numerical Methods
Computer Graphics

Programming Languages

- Proficient in **Python**, **Java**, and **C**.
- Familiar with **C++**, **Bash**, and **SQL**.