

CORNELL '18 · SOFTWARE ENGINEER AT GROKSTYLE · SAN FRANCISCO

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### Education

Cornell University Ithaca, New York

B.Sc. in Computer Science, College of Engineering

Aug 2014 - May 2018

- Merrill Presidential Scholar 2018 [Cornell Chronicle article], awarded to 1% of Cornell's graduating seniors.
- Jonathan E. Marx Senior Prize, awarded by the CS department; College of Engineering Dean's List, all semesters (GPA: 4.073).

## Experience \_\_

**GrokStyle Inc.**San Francisco, California

SOFTWARE ENGINEER

Aug 2018 - PRESENT

• Contributing to the development of GrokStyle's Al-based Visual Search service, used by global retailers such as IKEA.

Snap Inc.

Los Angeles, California

SOFTWARE ENGINEERING INTERN

Summer 2017

Summer 2016

- Summer intern on the Camera Platform team, which powers Snapchat's augmented reality 'filters'.
- · Worked on open-ended, research-based tasks in the computer vision domain, with a focus on deployment constraints.

**Google** San Francisco, California

SOFTWARE ENGINEERING INTERN

• Built and demoed a project that integrated Google Wallet's functionality into other customer-facing Google services.

Undergraduate Research

Cornell University

INDEPENDENT RESEARCH PROJECTS

Aug 2017 - May 2018

- · Proposed and evaluated techniques to reduce the training cost of data augmentations for neural networks. [Paper at www.karun.in]
- Used convolutional neural networks to visualize the process of pre-mRNA splicing in DNA transcription. [Write-up at www.karun.in]
- Explored unsupervised learning methods for image classification, advised by Professor Bharath Hariharan.

Teaching Assistant Cornell University

Undergraduate TA in the CS and ECE departments

Jan 2016 - May 2018

- TA-ed 4 undergraduate courses: Computer Vision, Algorithms (twice), Database Systems, and Digital Logic & Computer Organization.
- Helped create homework projects, supplementary tutorials, graded assignments and exams, and held weekly office hours.

# **Projects**

### **Cornell Design & Tech Initiative**

Cornell University

TEAM CO-LEAD; PRODUCT MANAGER

Aug 2017 - May 2018

- · Co-led an interdisciplinary student-run team that creates technology to address needs on and around Cornell's campus. [website]
- · Helped grow the team from 20 to 63 students, who collectively designed, developed, and shipped 6 products used by 6,000+ users.
- Product Manager for a sub-team of 8 that built an online queueing app for overcrowded TA office hours, now being used in production.

Resistance Racing Cornell University

ELECTRICAL TEAM Feb 2016 - May 2018

- Built a real-time telemetry system for the team's battery-electric vehicle, which placed 5th in the Shell Eco Marathon Americas 2018.
- Previously built a Raspberry Pi-based dashboard and logging system, which was mounted on the team's all-electric motorcycle.

#### Skills\_

Languages & Technologies Theoretical Coursework High-level Applications Low-level Applications Other Python, NumPy/SciPy, TensorFlow, Keras, Node, React, HTML/CSS/JS, SQL, Django, GraphQL, Java, C++
Analysis of Algorithms, Cryptography, Functional Programming, Applied Logic, Number Theory
Machine Learning, Computer Vision, Artificial Intelligence, Computational Genetics, Computer Graphics
Operating Systems, Database Systems, Embedded Systems, Digital Logic and Computer Organization
Entrepreneurship, Remote Sensing, Human Perception, Politics and Sports, Astronomy, Juggling