

# Sitar Harel

Seeking a new-grad level software engineering or product management opportunity.

(408) 637-9914

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sitarharel.com

github.com/sitarharel

## Education

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### Cornell University - GPA: 3.85/4.00 | Dean's List

B.S. Computer Science with Philosophy Minor and M.Eng. Computer Science - Expected May 2019

August 2015 - May 2019, Ithaca, NY

- TA for CS5414: Distributed Computing Principles, TA for CS 3110: Functional Programming in 2017
- Courses of Study include CS5414: Distributed Computing, CS4120: Compilers, CS4780: Machine Learning, CS4410: Operating Systems, CS4820: Analysis of Algorithms, CS3110: Functional Programming

## Experience

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### Google / Associate Product Manager Intern

May 2018 - August 2018, Mountain View, CA - google.com

- Drove early product definition for upcoming Android and Pixel features, working with cross-functional teams
- Conceived of and pitched improvements to existing Google Assistant features backed by user research data
- Ideated and promoted additional initiatives beyond intern projects, garnering feedback from area experts

### Cornell University Unmanned Air Systems / Full Team Lead

August 2015 - PRESENT, Cornell University - cuair.org

- Directing a software engineering team through development, configuration, and integration of an autopilot system for a fixed-wing UAV to accomplish autonomous takeoff, navigation, and landing
- Won first place among fixed wing aircraft in the 2018 international AUVSI SUAS competition
- Won second place out of 59 teams in the 2017 international competition

### Ayla Networks / Software Engineering Intern

May 2017 - August 2017, Santa Clara, CA - aylanetworks.com

- Led initiative to create customer facing web applications for monitoring IoT WebSocket connections, resulting to a new system of internal company tools, built on modern web technologies
- Developed interactive API documentation and a system for generating REST API tutorials

### Kolletive Technology / Software Engineering Intern

May 2016 - August 2016, Sunnyvale, CA - kolletive.com

- Developed a webapp to monitor real time analytics of content downloaded by peer to peer software
- Designed and created a Node.js backend for aggregating data from multiple end-points

## Skills

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**Programming:** JavaScript, Java, Python, OCaml, C, Node.js, Vue.js, x86, MongoDB, Bash, Express.js, SQL

**Software:** Linux, LaTeX, Solidworks, Autodesk Inventor, Photoshop, Excel, PowerPoint

**General:** Product Excellence, Team Leadership, Conflict Resolution, Teaching, Fluent in English and Hebrew

## Projects and Publications

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### Obladi: Oblivious serializable transactions in the cloud

- Worked on a research project investigating a database scheme with provably anonymous transactions
- Ran experiments and contributed to paper writing - the paper was **accepted to OSDI 2018**

### Animal Friendly

- Led team through development of a Chrome plugin that recommends products based on whether or not they were animal tested by scraping information from arbitrary web stores and querying relevant databases
- Won first place in the 2017 Cornell Animal Health Hackathon in the services category

### Home Automation Unification System

- Developed modular, cloud based IoT control system with a cloud component and device component
- Designed Arduino controlled and cloud connected lights that visualize music using spectrum analysis