

# Sergei Chestakov

✉ [sergei332@gmail.com](mailto:sergei332@gmail.com)

🏠 [sergeichestakov.com](http://sergeichestakov.com)

🐙 [github.com/sergeichestakov](https://github.com/sergeichestakov)

in [linkedin.com/in/sergeichestakov](https://linkedin.com/in/sergeichestakov)

## Education

University of California, Santa Barbara

Expected March 2020

University of California, Davis

Sept 2016 - June 2018

B.S. in Computer Science

## Work Experience

**Google**

June 2019 - Sept 2019

*Software Engineering Intern*

*Mountain View, CA*

- Implemented an end to end feature to toggle the state of smart devices in a room using Google Assistant.
- Added triggering grammar, TTS response, and C++ server side code that sends requests to 3rd party devices.
- Parsed home graph state and developed a heuristic to handle devices with differing states and manufacturers.

**Expo, Inc**

March 2019 - June 2019

*Software Engineering Intern*

*Palo Alto, CA*

- Developed a highly requested In-App Payments module that allows users to monetize their React Native apps.
- Designed and implemented a Typescript API that abstracts over the native payments libraries on iOS and Android.
- Added a feature to the Expo CLI that compresses image assets in a mobile app by up to 20% of their original size.

**Swim**

June 2018 - Sept 2018

*Software Engineering Intern*

*San Jose, CA*

- Developed Java applications that analyze real time data and test the Swim streaming libraries at scale.
- Added a feature to internal UI library to allow it to fetch and parse configuration files.
- Debugged rendering issues and memory leaks in client applications that use Swim libraries.

**UC Davis Educational Center**

October 2017 - April 2018

*Web Development Intern*

*Davis, CA*

- Developed a web app for professors to visualize student demographics using Ruby on Rails, React, and Postgres.
- Added dynamic charts using D3.js to display 10+ years worth of data on students' GPAs relative to other factors.
- Improved page load times by over 50% by optimizing server side logic and database querying in Rails.

## Projects

**Schedule Helper**

- Chrome extension that helps UC Davis students build their schedule by highlighting conflicting classes and appending professor ratings from RateMyProfessors.com onto the search results for courses.
- Over 10,000 monthly active users (30% of the undergraduate population).

**NoseGoes**

- Desktop app that allows you to control a web browser hands-free using only facial gestures and voice commands.
- Built using Python's OpenCV library, Selenium Webdriver, and Google Cloud API.

**Phase**

- Network graph visualization library built on top of D3.js with an API to dynamically update complex graphs.

**SmartSensor**

- IoT device that reduces energy consumption by tracking the number of people in a room and automating the lights.

## Skills

- |              |                     |                               |   |
|--------------|---------------------|-------------------------------|---|
| - Javascript | - C/C++             | - NodeJS                      | - |
| - Typescript | - Rust              | - Flask                       |   |
| - Python     | - Objective-C       | - Git/GitHub                  |   |
| - Ruby       | - React             | - Linux/Unix Environments     |   |
| - Java       | - React Native/Expo | - CircleCI, Automated Testing |   |