

# Sergei Chestakov

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## 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 sent 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.

## Side Projects

**Schedule Helper**

- Chrome extension that helps UC Davis students build their schedule by highlighting conflicting classes and appending professor ratings from external sources onto the search results for courses.
- Has 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, Typescript, Python, Ruby, Java, Rust, C, C++, Objective-C
- Ruby on Rails, Flask, NodeJS
- React and React Native
- Linux/Unix environments
- Git, GitHub, CircleCI