

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 routes requests to 3rd party devices.
- Developed backend to support running network speed tests and sharing Wifi password on Smart Home displays.

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 | |