Sergei Chestakov

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Education

University of California, Santa Barbara   Expected June 2020
University of California, Davis   Sept 2016 - June 2018
B.S. in Computer Science

Work Experience

Google   June 2019 - Sept 2019
Incoming Software Engineering Intern   *Mountain View, CA*
- Working on improving device integration with Google Assistant.

Expo, Inc   March 2019 - June 2019
Software Engineering Intern   *Palo Alto, CA*
- Contributing to a popular open source toolkit built on top of React Native for building cross platform mobile apps.
- Adding features to Expo modules both on the API level in Javascript and Native level in Java/Objective C.
- Developing a feature for our command line interface to compress image assets in an Expo project using NodeJS.

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 Typescript UI library to allow it to fetch and parse configuration files.
- Debugged and documented 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 against 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 active users (30% of 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 interact with and update complex graphs.

SmartSensor
- IoT device that reduces energy consumption by tracking the number of people in a room and regulating the lights.
- Won Best Environmental Hack and Particle Prize at HackDavis 2017.

Skills

- Java, C, C++, Python, Javascript, Ruby
- Ruby on Rails, Flask, NodeJS
- React and React Native
- Linux/Unix environments
- Git, GitHub, CircleCI