

# PAVEL YAKOVLEV

yvpavel@gmail.com

pauilyakovlev.com ◇ github.com/pauilyakovlev

## EXPERIENCE

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### General Motors

February 2021 - Present

*Big Data Platform Software Engineer*

*Austin, TX*

- Deployed and maintained large scale Hadoop components
- Debugged and addressed Hadoop platform issues as part of on-call rotation
- Built out test automation processes in built and release pipelines

### Lawrence Livermore National Lab

June 2019 - September 2019

*Software Engineering Intern*

*Livermore, CA*

- Improved automated testing and software integration framework
- Contributed to JUnit test suite and provided technical documentation
- Prototyped new test automation processes

### remote.it

May 2018 - June 2019

*Software Engineering Intern*

*Palo Alto, CA*

- Prototyped user-end web portals for device monitoring and management
- Wrote a library of user-end Python and Shell scripts to manage IoT edge devices
- Provided technical documentation for internal and end-user software tools

## PROJECTS

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### Santa Cruz Stranding Map

github.com/lmlstrandingnetwork/lml-stranding-map

*ReactJS, ExpressJS, Firebase*

- Geospatial data analysis tool for the UCSC Long Marine Lab.

### Pollen Planter (Cruzhacks 2020 Winner)

devpost.com/software/pollenplanter

*React Native, Firebase*

- Mobile app that recommends pollinator(bees,butterflies)-friendly plants for your garden.

### Netguard (Treehacks 2019)

devpost.com/software/netguard

*Python, Flask, Twilio, Docker*

- Cyber attack protection for internet-connected devices at home.

### Distributed Key-Store

github.com/pauilyakovlev/distributed-rpi-kvstore

*Python, Flask, Docker*

- Sharded, fault-tolerant key-value store that runs on a cluster of Raspberry Pi devices.

## EDUCATION

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### University of California, Santa Cruz

*Graduated June 2020*

Bachelor's in Computer Science

## SKILLS

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**Languages:** C++, Java, Python, Javascript, HTML, CSS

**Frameworks and Tools:** ReactJS, NodeJS, Flask, SQL, git, Docker, REST, Agile