PAVEL YAKOVLEV

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EDUCATION

University of California, Santa Cruz   *Graduated June 2020*
Bachelor's in Computer Science

EXPERIENCE

Lawrence Livermore National Lab - Computing Intern   June 2019 - September 2019
Java, JUnit, SQL   *Livermore, CA*

· Worked on improving automated testing and software integration framework for large scientific facility.
· Worked on regression testing the software that runs the National Ignition Facility with JUnit and Jenkins.
· Development focused on industry-standard continuous integration and test-driven development practices.

remote.it - Sofware Engineering Intern   May 2018 - June 2019
ReactJS, Python, AWS, Docker, Terraform   *Palo Alto, CA*

· Built an administrative web dashboard with React.
· Worked with Terraform + Packer for AWS EC2 AMI deployment and testing.
· Created a library of user-end Python and Shell scripts for bulk device management.
· Worked remotely from September 2018 through the end of the internship.

PROJECTS

Santa Cruz Stranding Map   github.com/lmlstrandingnetwork/lml-stranding-map
ReactJS, ExpressJS, NodeJS, Firebase

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

Pollen Planter   devpost.com/software/pollenplanter
React Native, NodeJS, Firebase

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

Netguard   devpost.com/software/nerguard
Python, Flask, Twilio, Docker

· Monitors IoT device for suspicious internet traffic on IoT devices - locks down the device and alerts owner in case of attack.

Distributed Key-Store   github.com/paulyakovlev/distributed-rpi-kvstore
Python, Flask, Docker

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

SKILLS

Languages: C++, Java, Python, Javascript, HTML5, CSS

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