PAVEL YAKOVLEV

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EDUCATION

University of California, Santa Cruz   *September 2018 - June 2020*
Bachelor's in Computer Science

Santa Rosa Junior College   *September 2015 - May 2018*

EXPERIENCE

Long Marine Mammal Lab   January 2019 - Present
Software Engineer   Santa Cruz, CA

· Developed React web app used by marine lab technicians to map and analyze geospatial data with React
· Built backend infastructure for data storage and retrieval.
· Led the development of data management process and workflow.
· Provided guidance for software engineering best practices. (test-driven-development, Agile-Scrum process, version control)

Lawrence Livermore National Lab   June 2019 - September 2019
Computing Intern   Livermore, CA

· Worked on the enhancement and modernization of automated testing and software integration framework for a very large software system.
· Unified the build processes around industry-standard continuous integration and test-driven development practices.

remote.it   May 2018 - June 2019
Sofware Engineering Intern   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

Pollen Planter (CruzHacks '20 Winner)   devpost.com/software/pollenplanter

· Mobile app that helps to support local pollinator(bees,butterflies) communities.
· Built with React Native + Firebase Firestore.
· Worked in team of 4 - took the 1st place prize for Best Earth Hack.

NetGuard (Treehacks '19)   devpost.com/software/netguard

· Alerts owner of IoT device of cyber attack and locks down the device.
· Written in Python, runs on Raspberry Pi, SMS alerts achieved with Twilio API.
· Worked with another team member to write the listener and API request component.