

# Natan Lao

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Hi. I'm a wannabe software engineer in my second year of studying computer engineering at UC Santa Cruz. I have a good 5+ years experience with Python and I'm a fast learner.

## Experience

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### **Research assistant** Nov 2016 - Present

UCSC Genomics Institute

Worked on Toil, a pure-Python workflow engine used for biomedical data analysis. I helped develop Toil's interfaces to the commercial cloud (Azure, EC2, etc.).

[Python](#) [AWS](#) [Azure](#) [Docker](#) [Ansible](#)

### **Software engineering intern** Summer 2015

Hewlett-Packard, Inc. Networking R&D Lab

Built REST API and web app to monitor, locate, and configure R&D hardware. Automated configuration and deployment of test devices.

[Flask](#) [Web dev](#) [Basic network programming](#)

### **Technical intern** Summer 2017

Hewlett-Packard Enterprise R&D Operations

Developed secure, scalable interface PoC to streamline analysis and distribution of business operations data for a division of over 1,000 employees (totaling \$100M+ per annum).

[Microsoft SQL Server](#) [VBA](#)

### **Student technician** Jul 2014 - Aug 2016

Roseville Joint Union HSD

Led small team of students providing level 1 end-user support to over 2000 students, faculty, and staff. Also worked as a stage technician, maintaining theater lighting and sound systems and operating them during live performances.

## Education

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### **UC Santa Cruz** 2016 - 2020 (Projected)

Pursuing a B.S. in computer engineering with a minor in computer science and concentration in systems programming. College Scholars program member. Senior class standing.

Relevant coursework and skills:

[Data structures](#) [Java \(academic\)](#) [C \(academic\)](#)  
[Algorithms and abstract data types](#)  
[Logic design](#) [Computer architecture](#)

## Selected achievements and service

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### **Runner-up, HACK UCSC** 2017

Led team of five developing a student-to-student textbook swap app in Python. Runner-up out of 42 other teams.

### **Head student instructor** 2017 - Present

Head TA for UCSC's largest student-led class, teaching basics of debate and politics to 90+ students quarterly. Oversee team of 10-15 TAs.

### **VP, National Honor Society** 2016

Led 150+ students as VP. Raised \$10K+ for community nonprofits. Used automation to streamline administration and operations.

### **2nd Place, HPE Best in Class** 2017

Placed second out of over 40 interns at Hewlett-Packard Enterprise in competition showcasing summer internship projects.