Natan Lao

Software developer in Bay Area, CA

hello@natan.la

https://natan.la

EDUCATION

University of California, Santa Cruz — Santa Cruz, CA

Bachelor of Science in Computer Engineering; 3.57 GPA — *Sep. 2016 – Jun. 2020*

Minor in Computer Science and concentration in Systems Programming. Honors program.

Relevant coursework: Distributed Systems, Network Programming, Operating Systems.

EXPERIENCE

UC Santa Cruz Genomics Institute — Santa Cruz, CA

Undergraduate Research Assistant — *Nov. 2016 – Present*

- **Data Object Service**: A standardized interface for accessing bioinformatics data. Maintained translation microservices and REST API specifications written using Swagger, and developed compliance testing tools.
- **Cloud platforms**: Helped maintain cloud deployments on platforms including Amazon Web Services, Google Cloud, and Microsoft Azure using tools such as Ansible, Chalice, and Terraform. Wrote provisioning and reporting tools for these services.
- **Build and test infrastructure**: Worked on continuous integration and deployment pipelines utilizing tools like GitLab and Travis for application testing, documentation building, and deployment.
- **HCA Data Storage System**: Contributed to a genomic data storage system built on Amazon Web Services and to the tools and REST API used to consume data in the system.
- **Documentation**: Created and contributed to API documentation (e.g., OpenAPI), developer documentation (e.g., Sphinx, ReadTheDocs), and consumer documentation, Jupyter notebooks, and vignettes.

Hewlett-Packard Enterprise — Roseville, CA.

Technical Intern — *Jun. 2017 – Sep. 2017*

- **Internal tools**: Developed secure, scalable interface PoC to streamline analysis and distribution of business operations data for a division of over 1,000 employees (distributing $100M+ annually).

Hewlett-Packard, Inc. — Roseville, CA.

Software Engineering Intern — *Jun. 2015 – Jul. 2015*

- **Developer tools**: Built tools to remotely manage, configure, and automatically provision development hardware used by the Networking Research and Development branch.
- **Infrastructure**: Assisted in maintenance of physical testing hardware and infrastructure.

SKILLS

Languages: Python, Go, HTML, CSS, Javascript

Languages (academic): C, C++, Java, SQL, Javascript, Haskell, Visual Basic for Applications, LaTeX

Technologies and tools: Amazon Web Services, Docker, Ansible, Git, Travis, Gitlab, Terraform

Methods: Test-driven development, continuous integration and deployment, Agile, Scrum

RECOGNITIONS

Top 12% of Stack Overflow users by reputation	*2020*
Top 20% of Unix and Linux Stack Exchange users by reputation	*2012*
Member, UC Santa Cruz First-Year Honors Program	*2016*
Recipient, Dean's Honors	*2017*
Runner-up, HACK UCSC Led team of five developing a student-to-student textbook swap app in Python. Runner-up out of 32 other teams.	*2017*
2nd Place, Hewlett-Packard Enterprise Best-in-Class Placed second out of over 40 competitors in competition showcasing summer internship projects.	*2017*
Recipient, Dean's Honors	*2019*
Recipient, Cowell Service Citation Awarded for "outstanding contributions to the life of Cowell College."	*2020*
Recipient, Cowell College Provost's Undergraduate Scholarship Awarded for "academic achievement of a Cowell resident."	*2020*