Nathan Lee

Masters in Computer Science – Cal Poly SLO
Expected Graduation: **June 2024**

Bachelors in Computer Science – Cal Poly SLO
September 2019 – June 2023   GPA: 3.6

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EXPERIENCE

Cylerian
Software Intern

June 2023 - Present

Developed a Windows Active Directory visualization tool using NodeJS and React, helping users spot security vulnerabilities.

Creating a local DNS filter to block and report malicious domains accessed on clients' company computers.

Amazon (Last Mile Route Forecasting)
Jr. Software Developer

March 2021 - January 2023

Contributed to high impact software that forecasted package volume for every Amazon delivery station in North America and the EU.

- Integrated an artifact management system into a data lake hosted on AWS, allowing other critical services to utilize the data lake
- Designed and implemented an infrastructure as code package to deploy runtime configuration, greatly reducing software complexity.

Listo.io (Billy)
Software Intern

November 2019 - July 2020

Assisted the development of a working beta of a web–based invoice processing platform. Implemented data visualizations in a user facing dashboard.

PROJECTS

Web RTC Reverse Proxy
Undergraduate Senior Project & Master's Thesis

December 2021 - Present

Invented a novel approach to building a reverse proxy using WebRTC. Applications include IoT and self hosting

tabify.app

September 2021 - Present

https://github.com/Nathanllee1/TabifyV2

Led a team of 4 to build a web app that shows the guitar tab of the user's currently playing song on Spotify. Svelte frontend hosted on Vercel.

SKILLS

Programming Languages:

Typescript / Javascript, **Python, Go,** R, C, Java / Kotlin

Frontend

React, **Svelte, HTML, CSS / Tailwind, Figma**

Cloud

AWS Certified Cloud Practitioner

AWS: CDK, S3, DynamoDB, Lambda

Other Tools

Bash, Git, Pandas, Spark, MySQL, CI / CD, Integration Testing, **WebRTC, Websockets**

Relevant Coursework

Data Structures
Computer Architecture
Discrete Structures
Algorithms & Advanced Algorithms *
Systems Programming
Programming Languages
Theory of Computation
Software Engineering
Software Evaluation

Intro to Data Science
Kldg & Discovery From Data
Distributed Computing
Applied Linear Models
Statistical Computing w/ R
Databases
Bioinformatics *
System Security *

* Graduate Level