

# Nathan Pham

Experimenting with machine learning, game development, and 3D. Currently using Typescript, Java, and Python, but attempting to learn Rust. Focused on building apps that shine with React, Next.js and Tailwind. Love Lo-Fi.

[Linkedin](#)

[Website](#)

[Github](#)

(916) 846 - 6199

nathanpham.me@gmail.com

## EXPERIENCE

### HPE Aruba, Roseville — R&D Network Intern

Summer 2022

Gained experience in working with teams and collaborative programming and designed internal tools and dashboards for automation with Docker, React, Grafana and Prometheus

### LegiSchool Civics Virtual Institute, Sacramento — Intern

Summer 2022

Researched important policy issues in all three branches of government by participating in town hall meetings and listening to speakers and presented our findings to our peers and community members

## EDUCATION

### Del Oro High School, Loomis

AUGUST 2019 - Present

On track to completing the agriscience pathway, currently have a 4.6 GPA and earned a 5 on both AP Computer Science tests

### Sierra College, Rocklin

AUGUST 2019 - Present

Dual enrollment and summer courses on programming concepts, computing, calculus and mechatronics

### California State University, Online

2022 - Present

Dual enrollment courses on programming concepts

## SKILLS

Java, Typescript, Python, HTML/CSS, PHP

Next.js, TailwindCSS, Sklearn

## AWARDS

2022 Waffle Hacks [best healthcare](#) and best connection hack

2022 HPE CodeWars 2nd place winner in algorithm competition

2022 Hello World NFT Hackathon Replit x Opensea \$300 for the [Chickenverse](#), a chicken NFT-based game

2021 Creative Reaction Lab \$500 artist stipend for addressing structural racism & women's rights

2021 TeenTechSF Global Civic Hackathon 1st place winner for creating a mentoring app

2021 Willhacks 2.0 3rd place winner for creating a virtual medical conference app called Pinpoint

2019 SC Hacks Half-a-Hackathon 1st place winner for making a self-help app

## PROJECTS

### Chicken Mass Estimation — [Github Repo](#)

Wrote a paper that explored estimating the mass of a chicken from an image using machine learning. Unfortunately inaccurate due to an excess of assumptions and variables.

### Zero Framework Blog — [Replit Demo](#)

Configurable custom framework blog with responsive design, posting, and comments. Created for the Replit Template Jam.

### Intere — [Github Repo](#)

COVID-19 virus simulation made with Ionic that I published to the Play Store. It was ultimately removed because my account was disabled for inactivity.

### Del Oro FFA — [Website](#)

Commissioned to improve the Del Oro FFA chapter web presence and provide agricultural education resources for students

### Screen Time — [Chrome Web Store](#)

Simple and intuitive screen time tracker extension that leverages a custom machine learning website classifier to determine what kind of sites (ie: productivity or entertainment) you are visiting

### Neuromates — [Website](#)

Commissioned to centralize dementia resources for struggling patients

### Creative Coding — [Website](#)

A series of generative art sketches and and interactive components

Other notable mentions: a [Google clone](#), [Medium clone](#), [Coolors clone](#), a game called [BattleRena](#)

## LIBRARIES

**Detasheet**, Google Sheets as a database — [NPM](#)

**Cursed Font**, An image based font (joke project) — [NPM](#)

**PolySchema**, JavaScript type validation — [Docs](#)

## MEDIA

**Developers Collective**  
community blog for more advanced topics, [hosted on Replit](#)

**Dev.to** personal blog for advanced technical tutorials, like [creating a shapes classifier](#) with Sklearn

**Creative Coding Livestream**  
hour long [workshop](#) for Replit