

I am an aspiring software engineer with an entrepreneurial drive. I am seeking to join a mission-driven team that is undertaking challenging, change-making problems.

## EDUCATION

### Physics/Applied Mathematics University of California, Berkeley

08/2020 - 05/2021

3.6

#### Courses

- |                     |                      |
|---------------------|----------------------|
| - Real Analysis     | - Complex Analysis   |
| - Linear Algebra    | - CS61A & B          |
| - Quantum Mechanics | - Analytic Mechanics |

### Physics Orange Coast College

08/2018 - 05/2020

3.9

## PERSONAL PROJECTS

### Ploop (07/2023 - Present)

- A fullstack web application for users to create stunning paintings with a simple swipe, then watch as their creation transforms into a captivating time-lapse video.
- Developed a dynamic and interactive social art platform using a modern tech stack, including React for the frontend, Node.js for the backend, PostgreSQL and Cloudflare for data storage, and GraphQL for efficient API communication.
- Implemented a microservices architecture, integrating RabbitMQ for robust communication between services. Dockerized the app, allowing for easy deployment and scalability.
- Designed and built features for user-generated time-lapse video creation, real-time social interactions (likes, shares, comments), and a unique remixing functionality akin to popular social media platforms.

### Duckpile (01/2023 - 06/2023)

- My first major full stack app built with React and Node and it was a tremendous learning experience. This inventory management app is made for my 3-person team during my time working at VcalTV in an effort to move away from Excel-based workflow.
- Designed and developed a CRUD application, which streamlined inventory tracking, managed product information, and optimized inventory control processes.
- Increased workflow efficiency by 100% during a 1-month trial run.
- Saved over \$1000 in labor cost.

### Portfolio (07/2023 - Present)

- Responsive website built with React.

## SKILLS

Python Javascript Typescript MongoDB

PostgreSQL SQL Node Express React

Redux GraphQL RabbitMQ OOP Git

AWS Cloudflare Microservices Backend

Frontend Fullstack Unit Testing

## LANGUAGES

English  
Full Professional Proficiency

Vietnamese  
Full Professional Proficiency

## INTERESTS

Chess Soccer Philosophy

Music Production Gaming