

Paul Nguyen

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EDUCATION

University of Illinois Urbana-Champaign

Masters in Computer Science

Champaign, Illinois

Expected May 2027

Oregon State University

Bachelors of Science in Computer Science, 3.8 GPA

Corvallis, Oregon

Graduated August 2025

Affiliations: CodePath, OSU App Development Club, OSU Hackathon Club

TECHNICAL SKILLS

Languages: Python, JavaScript, TypeScript, Java, C, SQL, HTML/CSS

Frameworks: NodeJS/NestJS, NextJS, Django, Express, Flask, Tailwind, MaterialUI, Remix

Technologies: React, Redux, AWS, Docker, MongoDB, PostgreSQL, GraphQL, Firebase, Playwright, Jest, Nginx

WORK EXPERIENCE

Software Engineer Intern

January 2025 - May 2025

NASA Johnson Space Center

Houston, TX

- Improved mission analysis by delivering a Next.js dashboard for analytics, equipment tracking, and CSV exports
- Built a Django + PostgreSQL backend to process 10+ years of ISS exercise records to enhance data access
- Configured a Raspberry Pi running Linux as a wireless access point with Nginx, enabling 24/7 local availability

Software Engineer Intern

May 2024 - November 2024

Lucid Motors

Newark, CA

- Engineered scalable UI components in React/TypeScript to enhance Lucid's supplier portal (100+ suppliers)
- Resolved RBAC and supplier data issues by updating 10+ RESTful API calls in NestJS, ensuring system integrity
- Achieved 85% coverage on supplier on-boarding test suites using Playwright, reducing manual QA time by ~20%

Software Engineer Intern

May 2023 - May 2024

Summersalt

Remote

- Migrated legacy jQuery code to React, improving rendering efficiency by 25% and reducing cart load time by 2s
- Shipped promotional components with TypeScript and Remix, driving \$35K+ in monthly revenue growth
- Initialized CI/CD pipelines via GitHub Actions and Cypress for automated testing, reducing regressions by 10%
- Optimized GraphQL queries for more accurate and efficient data retrieval, enhancing application performance

PROJECTS

PromptMail Capstone Project | *TypeScript, NestJS (NodeJS), MongoDB, Firebase, OpenAI API*

[Github](#)

- Led backend development for a 4-person team, designing schemas, implementing JWT authentication, and deploying 5+ secure RESTful APIs that enabled protected email workflows
- Oversaw all backend code reviews and integrated OpenAI GPT with NestJS, using Swagger + Postman to validate endpoints and ensure reliable API functionality

BeavsHub | *TypeScript, React, Redux, NestJS (NodeJS), MongoDB, Framer Motion*

[Github](#)

[Link](#)

- Crafted a responsive React app with Framer Motion animations, enabling intuitive exploration of course reviews
- Implemented 5+ NestJS RESTful APIs to streamline MongoDB data access and simplify front-end queries
- Established CI/CD with Playwright (frontend) and Jest (backend), ensuring consistent quality across deployments

Get Schooled! OSU Fall Hackathon | *Python, Flask, JavaScript, HTML/CSS*

[Github](#)

[Link](#)

- Led a 4-person team to develop an educational game with UI animations, improving engagement and gameplay
- Coordinated agile meetings and reviewed 10+ pull requests to boost team productivity and code quality
- Deployed a Flask backend serving quiz data via REST API with CORS, supporting cross-platform game access