Paul Nguyen

281-673-0521 | paul.nguyen.swe@gmail.com | linkedin.com/in/paul-nguyen– | github.com/paul-nguyen-1

EDUCATION

University of Illinois Urbana-Champaign — Champaign, Illinois
Masters in Computer Science — *Expected May 2027*

Oregon State University — Corvallis, Oregon
Bachelors of Science in Computer Science, 3.8 GPA — *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*
- Designed a multi-page Next.js/TypeScript dashboard for the ARED team, delivering filterable crew-exercise analytics, equipment lifecycle tracking, and CSV exports to streamline mission analysis
- Created and deployed a Django backend with PostgreSQL to process 10+ years of ISS exercise device data, optimizing accessibility and supporting mission-critical analysis with efficient API design
- 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*
- Developed scalable React/TypeScript components for Lucid's in-house supplier portal, enhancing UI features and collaborating with cross-functional teams to ship high-quality software in a fast-paced environment
- Upgraded backend functionality by updating 10+ RESTful API calls in NestJS, resolving RBAC and supplier data issues to maintain integrity and strengthen system reliability
- Authored data-driven automated test suites with Playwright to achieve approximately 85% test coverage on supplier onboarding, minimizing manual QA efforts and reinforcing robust software validation

Software Engineer Intern — May 2023 - May 2024
Summersalt — *Remote*
- Refactored a legacy jQuery codebase into React, boosting website rendering efficiency by 25% and speeding up page navigation and item retrieval by up to 2 seconds
- Delivered promotional components with TypeScript and Remix, driving a $35K+ increase in monthly revenue
- 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
- Directed backend development and database schema design for a team of 4 using NestJS, implementing JWT authentication, secure CRUD operations, and 5+ RESTful APIs for data protection
- Oversaw backend code reviews and integrated the OpenAI API, leveraging Swagger for API design and Postman for testing to ensure reliable GPT integration and consistent 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 course data access and simplify front-end queries
- Established CI/CD pipelines using Playwright for end-to-end frontend testing and Jest for backend API coverage, ensuring consistent code quality across deployments