

MIA NGUYEN

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Portfolio Website: <https://mia-portfolio-flame.vercel.app/>

EDUCATION

University of California, Irvine | *Bachelor of Science in Computer Science* June 2025
GPA: 4.00/4.00 | Honors: Deans Honor List
Coursework: Data Structures & Algorithms, Information Retrieval, Data Management, System Design

Los Angeles Pierce College | *Associate of Mathematics, Associate of STEM* June 2023
GPA: 4.00/4.00 | Honors: President's Honors, Dean's List (all semesters)

SKILLS

Technical languages: JavaScript, Python, Java, C++, C#, SQL, HTML, CSS
Frameworks / Technologies: Node.js, React.js, Next.js, Express.js, Flask, ASP .Net, Tailwind CSS, Git, AWS, Docker
Bilingual: Vietnamese (native), English
Certificates: CodePath Technical Interview Prep (TIP 102)

WORK EXPERIENCE

Student Web Developer | University of California, Irvine Nov 2023 - Current

- Utilize ASP.NET and C# to enhance web systems for graduate students and staff, improving the interview booking experience and portal viewing through functionality and visual design enhancements.
- Design and update the data schema, SQL queries, and stored procedures to optimize query performance and ensure accurate search results.
- Create HTML email templates for MBA students that are compatible across various email systems (e.g., Outlook, Gmail, etc.)

Software Engineer Intern | Esync Technologies Dec 2023 – Mar 2024

- Engaged in hands-on experience with Python and prominent frameworks including Qiskit, PennyLane, Scikit-Learn, and PyTorch.
- Collaborated on projects involving quantum computing, quantum machine learning models, optimization problem-solving.

PROJECTS

Fashion Brand Review Page (JavaScript, React, Express, SQL)

- Developed a comprehensive fashion review platform using RESTful API integration, leveraging PostgreSQL for robust database management.

Fablix Movie (Java, Apache Tomcat, JavaScript, Tailwind, MySQL, AWS)

- Built a full-featured movie ticketing web application with separate client and employee interfaces, supporting bulk data import from XML files.
- Enhanced application security using Google ReCaptcha and Jasypt for password encryption.
- Deployed the application on an AWS EC2 instance using Docker for scalable and efficient hosting.

Zot Search (Python, Flask, JavaScript, React, MySQL)

- Implemented sophisticated backend logic for tokenizing and ranking a vast number of websites.
- Optimized search runtime to efficiently handle large datasets, ensuring quick and accurate results.

Zot Quest (JavaScript, Tailwind CSS)

- Developed an interactive map app using leaflet.js library to detect and display real-time user locations.
- Created a "bucket list" feature for users to explore and locate attractions on the UCI campus.
- Awarded 3rd Place at the UCI ZotHacks 2023 hackathon, competing against over a hundred participants.

TranStar Aircraft Interior Landing page (Next.js, Tailwind CSS)

- Develop and deploy a landing page with contact form for real aircraft interior business.