

# MIA NGUYEN

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## 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 3<sup>rd</sup> 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.