Han Le

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PROFESSIONAL SUMMARY

Computer Information Systems student (Data Science minor, 3.8 GPA, graduating May 2027) who builds data-driven applications end to end, from PostgreSQL schemas and Python back ends to React interfaces and PyTorch models. Shipped a logistics optimization platform that cut truck assignment time by 70% and a deep-learning MRI classifier with 95% test accuracy. Seeking machine learning, data science, and software engineering internships.

EDUCATION

California State Polytechnic University, Pomona — Pomona, CA — Aug 2024 – May 2027 (Expected)
B.S. in Computer Information Systems, Minor in Data Science | GPA: 3.8

Orange Coast College — Costa Mesa, CA — Jan 2022 – May 2024
A.S. in Computer Science, A.S. in Mathematics, C++ Programming Certificate

EXPERIENCE

Software Engineer Intern (Full-Stack & Data) — Phat Thinh Vina, Ho Chi Minh City, Vietnam — Apr 2025 – Sep 2025

- Replaced a manual truck assignment process with a web-based logistics optimization platform (React, Flask, Neon/PostgreSQL) that schedules ~10 B2B orders a day (800 kg – 4 tons each) across a 2–3 truck fleet, reducing assignment time by 70%.
- Designed a relational PostgreSQL schema for customers, vehicles, storage sites, and delivery orders, giving dispatch staff a single consistent source of delivery data.
- Implemented bin-packing and distance-based route grouping algorithms that check truck capacity, product weight, and volume to match each order to a suitable truck, improving truck utilization and lowering delivery costs.
- Developed customer grouping and off-route detection features that helped staff plan deliveries faster and avoid costly detours.

Instructor Student Assistant — Computer Information Systems Department, Cal Poly Pomona — Sep 2025 – May 2026

- Supported 218 students in Management Information Systems over the academic year with SQL, database design, and Python through office hours and one-on-one debugging.
- Prepared course materials and resolved technical issues for instructors, keeping labs and assignments on schedule.
- Taught debugging strategies so students could resolve database and code errors on their own.

Technical Student Assistant — Student Innovation Idea Labs (SIIL), Cal Poly Pomona — Nov 2024 – May 2025

- Built a Repetier account creation system (React, JavaScript, HTML/CSS) serving 600–800 3D printing lab user accounts.
- Redesigned the SIIL's public, campus-wide website to improve accessibility and user experience.
- Troubleshot lab hardware and software issues with IT staff to keep lab operations reliable.

PROJECTS

Brain Tumor Detection & Risk Flagging — Capstone — *In Progress*

- Extending my MRI classifier into an end-to-end pipeline that detects whether a tumor is present, then classifies it as glioma, meningioma, or pituitary tumor.
- Designing a review flag for tumor-free scans with features linked to elevated risk, so physicians can prioritize those patients for follow-up.

Brain Tumor MRI Classification | *Python, PyTorch*

- Trained and evaluated a ResNet18 convolutional neural network on 3,200 MRI scans to classify them as glioma, meningioma, pituitary tumor, or no tumor, reaching 95% test accuracy.
- Analyzed the confusion matrix and per-class metrics to pinpoint misclassification patterns between tumor types.

Airport Ground Handling Simulation | *Python, Pandas, Matplotlib*

- Engineered a Python simulation of aircraft turnarounds that processes 15+ concurrent flight operations with automated gate assignment.
- Analyzed flight performance, turnaround delays, and operational results with Pandas and visualized them in Matplotlib.

SKILLS

Languages: Python, SQL, JavaScript, TypeScript, Java, C++, HTML/CSS
Data & Machine Learning: PyTorch, scikit-learn, Pandas, Matplotlib, Jupyter, Power BI, Excel
Web Development: React, Next.js, Flask, REST APIs
Databases & Tools: PostgreSQL, Neon, Git, GitHub, Postman