

Vincentius Daniel Budidharma

858-729-4787 | dharmadaniel2803@gmail.com | vdanielb.com | linkedin.com/in/vdanielb | github.com/vdanielb

EDUCATION

University of California San Diego

September 2023 - March 2027 (expected)

B.S. in Data Science, Minor in Economics and Mathematics, GPA: 4.0/4.0

- **Relevant Coursework:** Data Structures & Algorithms, Distributed Systems (Spark/Hadoop), Database Management (SQL), Machine Learning (Linear Regression, Markov Models), Deep Learning (Transformers, Neural Networks)

EXPERIENCE

Budget Analysis & Planning Intern (Analytics Engineering)

June 2026 – September 2026

UC Office of the President

Oakland, CA

- Built the first **ETL pipeline** (SQL, Python, AWS Glue) that consolidated 25M+ records from legacy IBM DB2 and AWS S3 into a unified dataset spanning 2003–present, enabling UCOP’s **first** end-to-end analysis of over 2 decades of financial data
- Spearheaded development of a centralized analytics platform (Next.js, Node.js, D3.js) that unified dashboards and datasets across UC Finance departments into a self-service portal, **reducing analyst work by 10+ hours/month**

Founder and President

October 2025–Present

Triton Web Developers

San Diego, CA

- Founded and scaled a club **building full-stack websites for other clubs**
- Coordinated end-to-end development of websites for Triton Minecraft, San Diego Indonesian Association, and Business Leaders Association using React/Next.js (front-end), Neon PostgreSQL (back-end), and Cloudflare (deployment)

Data Science Intern

September 2025 – May 2026

Data Science Alliance

San Diego, CA

- **Automated 2+ hours of daily manual work** in a food bank serving 400k+ residents by a developing a vehicle routing optimization model (Python, OR-Tools), integrating demand data, capacity constraints, and Google Maps API travel times
- Built a **React + FastAPI** web interface enabling non-technical staff to easily generate optimized delivery schedules

Back-End Developer

January 2025 – May 2026

San Diego Zoo Wildlife Alliance

San Diego, CA

- Developed a **React + Electron.js** desktop application for model inference and large-scale audio labeling, enabling efficient annotation of **15,000+ clips** from **630+ animal species** and supporting the training of multiple **PyTorch** models
- Designed and deployed a local SQLite database, including **RESTful API** endpoints and UI to execute CRUD operations
- Sped up dashboard loading by 30 seconds by implementing server-side pagination and query optimization

Data Science Tutor (Java & Python)

March 2024 – May 2026

University of California San Diego

San Diego, CA

- **Saved 10+ hours of manual work each quarter** by building a **Python-based grading ETL pipeline** to extract 200+ rows of data from various grading sources, calculate final scores, and report them in Canvas
- Tutored 100+ students per quarter in Data Structures & Algorithms, Java, Python, Object-Oriented Programming

PROJECTS

Multi-Agent Prediction Market Simulator

April 2026

<https://github.com/TurkiAlrasheed/sport-sim/>

- **Won 1st place** in a hackathon (70+ participants) by building a web app that spawns 100+ AI agents with different personas to concurrently simulate traders reacting to news headlines, producing an updated price in under 10 seconds
- Developed an AI-driven automatic dependency graph generator to map news headlines to relevant prediction markets

RoboRanger

April 2026

<https://github.com/TurkiAlrasheed/sport-sim/>

- **Won best edge AI/ML** in a hackathon (300+ participants) by building an on-device CNN-based image classification to identify local species and a voice AI agent to provide interactive, park-ranger-style tours of their ecosystems.

SKILLS

Languages: Java, Python, JavaScript/TypeScript, SQL (PostgreSQL, MySQL, SQLite)

Frameworks & Libraries: React.js, Next.js, Node.js, FastAPI (REST APIs), Spark

Tools: Git, GitHub, AWS (EC2, S3), Cloudflare (Pages, Workers), Cursor, Claude Code