

# Wei Lin Chen

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## EDUCATION

**University of California, Los Angeles**

*Bachelor of Science in Statistics and Data science*

- **Cumulative GPA:** 3.75

Los Angeles, CA

*June 2025 - present*

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## COURSEWORK

**Programming:** Advanced C++ • Python with Applications • Computational Statistics with R • Dataquest SQL Course  
**Machine Learning:** TensorFlow in Practice • Computation & Optimization • Data Mining • Data Analysis and Regression • Design and Analysis of Experiment • Linear Algebra Statistical Models • Time-Series Analysis • Mathematical Statistics • Monte Carlo Methods

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## WORK EXPERIENCE

### Compal Electronics

*Software Engineer Intern*

*Taipei*

*June 2023 – August 2023*

- Architected a monitoring infrastructure using Prometheus and Grafana for real-time system visibility
- Designed custom Prometheus exporters and alerts, reducing incident detection time by 65%
- Containerized monitoring stack with Docker, cutting setup time from 2 days to 2 hours
- Built automated Grafana dashboards to track KPIs and optimize resource allocation
- Implemented CI/CD pipelines for zero-downtime deployments, reducing incidents by 40%
- Created metrics collection system processing 1M+ daily points for actionable insights

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## DATA SCIENCE PROJECTS

### Algorithmic Cryptocurrency Trading Bot

| **Python, AWS, TensorFlow** |

*Main developer*

*June 2019 – August 2019*

- Built a Python-based ML trading system using LSTM to predict volatility (87% accuracy)
- Reduced trade latency by 35% by deploying Dockerized bot on AWS EC2 w
- Automated backtesting (Backtrader) for 10K+ scenarios, optimizing stop-loss

### DeFi Yield Farming Optimizer

| **Python, Web3.py, SQL** |

*Main developer*

*June 2018 – August 2018*

- Automated backtesting (Backtrader) for 10K+ scenarios, optimizing stop-loss
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## LEADERSHIP & ACHIEVEMENTS

**College Metaverse club**

Cupertino, CA

*Vice president*

*April 2022*

- Led organizational governance initiatives by implementing Web3 compliance frameworks and developing metaverse-ready operational policies
- Established strategic partnerships with virtual world platforms while ensuring ethical standards across digital and physical spaces

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## ADDITIONAL

**Programming Knowledge:** R • Python • IBM Watson Assistant • SQL • C++ • Pandas • NumPy • TensorFlow • Keras  
**Technical Skills:** Data Structures, Algorithms & Recursion, Deep Learning, dplyr & ggplot2, Conversational AI **Interests:** Skiing, Dungeons & Dragons, DJing, Bass Music, Traveling, Cooking, PC Building, Badminton