

# Kyle Ton

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## EDUCATION

### California State University, Fullerton

Fullerton, CA

*Bachelor's of Science in Computer Science*

*Expected Graduation: Jun 2027*

Relevant Coursework: Object-Oriented Design and Programming, Computer Architecture and Assembly, Data Structures in C++, Discrete Mathematics, Linear Algebra, Differential Equations, Single and Multivariable Calculus

## EXPERIENCE

### Fullstack/AI Engineering Intern

Oct 2024 – Dec 2024

*PM Accelerator*

*Remote, CA*

- Increased resume keyword relevance by **15%** by developing a full-stack resume enhancement application that applied **LLM-powered trend analysis** and **trend-based keyword extraction**
- Reduced overall backend processing time by **20%** through **configuration of asynchronous Celery workers** with **Redis** and **Heroku**, accelerating **resume enhancement requests**
- Engineered a scalable resume database by structuring **MongoDB documents indexed by Google ID**, supporting **100+ user profiles** with secure access and retrieval

### Software Engineering Intern

Aug 2024 - Oct 2024

*Trace*

*Garden Grove, CA*

- Automated version control tracking for **1000+ camera devices** using a Python-based logging tool, increasing **documentation accuracy and deployment traceability**
- Reduced troubleshooting time by **40%** by scripting **remote camera control with Paramiko SSH**, providing remote access and diagnostics from off-site terminals, reducing testing and validation time by 10 hours per week
- Diagnosed hardware issues by testing **Baud rate configurations** and **validating data integrity** during camera firmware updates

## PROJECTS

### Git-Lint | *Python, FastAPI, AWS EC2, AWS S3, Docker, OpenAI API, Pinecone, GitHub REST API* May 2025

- Built an AI-powered code reviewer using **FastAPI**, **GitHub Webhooks**, and **GPT-4o-mini**, delivering automated feedback on 17+ pull requests with an average response latency **under 2 seconds**.
- Engineered a **RAG-based context retrieval system** using **Pinecone vector search** and **AWS S3**, embedding and indexing over **200+ code chunks** for high-accuracy contextual grounding in LLM prompts.
- Automated contextual code reviews by integrating **GitHub REST API**, **diff parsing**, and **LLM-based chunk matching**, achieving reliable retrieval and seamless inline PR commenting.

### E-Commerce Spending Predictor | *NumPy, Pandas, Seaborn, Scikit-learn*

Apr 2025

- Developed and trained a **multi-feature linear regression model** to forecast online spending behavior with **98.4% accuracy**, trained using **stochastic gradient descent with cross-validation**
- Visualized dataset trends with **Seaborn**, highlighting key user spending patterns across categories and timeframes

### StockSense | *Next.js, Java, Spring-Boot, PostgreSQL, AWS S3, Docker, Redis*

Feb 2025 - Apr 2025

- Built a real-time stock market platform combining **React-based UI** with a Spring Boot backend, delivering live prices, sentiment-tagged news, and storage in **AWS S3**
- Integrated **Google OAuth 2.0** and session-based authentication using **Spring Security**, persisting user data in **PostgreSQL**, maintaining automating deployments with **Github Actions**
- Engineered seamless integration with **Alpha Vantage API** to ingest and display **pre-analyzed sentiment-tagged news**, enabling users to correlate market trends with financial headlines in real time

## TECHNICAL SKILLS

**Programming Languages:** Java, Python, C++, SQL, JavaScript, HTML/CSS

**Frameworks/Databases:** React.js, Next.js, Spring Boot, FastAPI, MongoDB, PostgreSQL

**Tools/Platforms:** Git, Postman, Docker, Redis, Github Actions, AWS

**Machine Learning:** NumPy, Pandas, Matplotlib, Seaborn, Scikit-learn