

# Chen Kai Zhang

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## Skills

Python JavaScript C Bash Git Linux React NodeJS Flask Docker TensorFlow Pytorch Machine Learning  
Databases Full Stack Development Front-end Development Back-end Development Agile Chinese

## Education

**Bachelors of Science, Computer Science**

University of California, Santa Cruz

**GPA: 3.7**

2020 - 2022

## Experience

**Full Stack Developer @ Akamai Technologies**

*February 2024 - Present*

- Developed comprehensive dashboards enhancing engineers' workflows through seamless interaction with internal tools and advanced data visualization and analysis capabilities
- Collaborated with cross-functional teams to align dashboard development with their expectations and objectives
- Architected a modularized front-end and back-end system, enabling flexibility and scalability in data visualization and seamless connectivity across our team's diverse internal tools and databases

**Tools:** JavaScript, Python, React, Flask, Cassandra, ElasticSearch, Postgres, REDIS, Docker, Git

**Full Stack Developer @ Agora**

*June 2023 - January 2024*

- Led the design and development of a user-friendly web page and dashboard UI for game server monetization
- Leveraged MongoDB and REDIS cache for streamlined data management and accelerated data operations

**Tools:** JavaScript, Java, React, MongoDB, REDIS, Docker, Git

**Software Development Engineer Intern @ Dolby Laboratories**

*June 2022 - June 2023*

- Achieved 85% improvement in testing efficiency by automating the process through code
- Increased test coverage by 15% with new test cases, covering previously uncovered areas
- Implemented CI/CD integrations to automate code testing and enhance collaborative efforts within the team

**Tools:** Python, YAML, Git

## Projects

**TommyBot**

- Led a 24-hour hackathon project focused on improving elderly medication adherence using AI and robotics
- Secured 2nd place overall for the concept, design, development, and presentation of the solution
- Integrated an object detection model with TensorFlow and OpenCV, achieving 75% accuracy in verifying medication dispensing
- Developed user-friendly interface with Tkinter for seamless interactions with the robot

**Tools:** Python, TensorFlow, Tkinter, OpenCV, Git

**Bill Split**

- Developed a cross-platform mobile application enabling users to calculate shared expenses from receipts
- Implemented the Donut OCR model to process receipt images with 80% accuracy for automated expense breakdown
- Leveraged TensorFlow Lite to host the Donut OCR model locally within the application for on-device predictions

**Tools:** JavaScript, Python, React Native, FastAPI, TensorFlow, Pytorch