

First Last

XXX-XXX-XXXX

firstlast@gmail.com

linkedin.com/firstlast

github.com/firstlast

EDUCATION

My University

Bachelors of Science in Undecided (GPA: 4.00 / 4.00)

Expected Expected 01/24

San Jose, CA

- **Relevant Coursework:** Algorithms, Data Structures

EXPERIENCE

AI Ventures

Machine Learning Intern

Jun 2020 – Apr 2021

Chicago, IL

PROJECTS

| *Python, Flask, NLP, GitHub API, Docker*

AI-Assisted Code Review Tool

- Developed an AI-assisted code review tool leveraging natural language processing to analyze code and generate review suggestions.
- Integrated with the GitHub API to automate comments on pull requests, significantly reducing code review time by 40%.
- Used Flask for backend services, ensuring scalability through Docker deployment.
- Collaborated with teams to continually refine NLP algorithms for improving code review accuracy.

| *Python, OpenCV, Raspberry Pi, MQTT, TensorFlow*

Smart Traffic Control System

- Designed an AI-powered traffic control system to analyze real-time video feeds, optimizing traffic flow using TensorFlow for vehicle classification.
- Implemented MQTT for communication between edge devices and a centralized server, demonstrating real-time data processing capabilities.
- The system's dynamic adjustments reduced simulated congestion by up to 25%, showcasing practical application of machine learning.
- Collaborated with a multidisciplinary team to integrate hardware and software components seamlessly.

| *Java, Apache Kafka, MySQL, Docker, Kubernetes*

Distributed Database Replication System

- Engineered a distributed database replication system via Apache Kafka, ensuring high availability across data centers.
- Utilized MySQL for data storage and managed container orchestration with Docker and Kubernetes, enhancing deployment efficiency.
- Implemented monitoring tools and conflict resolution strategies, significantly reducing downtime by 70%.
- Delivered a robust solution that successfully integrated with existing data workflows and infrastructure.

TECHNICAL SKILLS

Languages: Rust, Kotlin, Swift, Go, Scala, TypeScript, R, Perl, Haskell, Groovy, Julia, Dart

Technologies: React.js, Angular, Vue.js, Django, Flask, Ruby on Rails, Spring Boot, Express.js, TensorFlow, PyTorch, jQuery, Bootstrap, Laravel, Flask, ASP.NET, Node.js, Electron, Android SDK, iOS SDK, Symfony

Concepts: Compiler, Operating System, Virtual Memory, Cache Memory, Encryption, Decryption, Artificial Intelligence, Machine Learning, Neural Networks, API, Database Normalization, Agile Methodology, Cloud Computing