

Elvis Bui

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EXPERIENCE

Altera Corporation

Jan. 2025 - Oct. 2025

Product Development Engineer - San Jose, CA

- Reduced manual classification effort by 85% and accelerated issue resolution by 15% by implementing active learning techniques and custom embeddings in a production NLP classification system.
- Achieved 92% classification accuracy processing 200-300 tickets daily by building an end-to-end ML pipeline from data ingestion through model training to production serving.
- Designed an AI chatbot using RAG architecture to reduce engineering time on new hire questions by enabling natural language search over internal documentation.

Intel Corporation

Aug. 2024 - Jan. 2025

Product Development Engineer - San Jose, CA

- Saved 50+ hours monthly in debugging time and achieved 90% early detection rate for critical issues by developing a real-time anomaly detection system with ensemble ML methods.
- Monitored 100+ parameters with 85% prediction accuracy by building a streaming data pipeline with custom feature engineering for domain-specific metrics.
- Decreased failure occurrences by 20% across production lines through statistical root cause analysis and automated failure pattern detection.

Intel Corporation

Oct. 2021 - Aug. 2024

Validation Engineer - San Jose, CA

- Increased product pass rates by 18% by developing automated data pipelines for test data validation and cleaning.
- Reduced hardware downtime by 20 hours/month and accelerated timing violation detection by 35% by building a real-time monitoring dashboard with automated alerting.
- Enabled real-time monitoring of 50+ concurrent tests by engineering a full-stack dashboard with live data streaming.
- Streamlined resource allocation for the validation team by designing a full-stack resource management platform with real-time updates.

EDUCATION

San Jose State University

Aug. 2018 - Dec. 2020

Bachelor of Science in Computer Science, Dean's Scholar

SKILLS

Languages: Python, JavaScript, TypeScript, Java, C++, SQL

ML & AI: PyTorch, TensorFlow, scikit-learn, Keras, Hugging Face, LLMs, RAG, NLP, Computer Vision, LightGBM, MLflow

Data Engineering: Apache Spark, Apache Kafka, Airflow, dbt, Pandas, NumPy

Databases: PostgreSQL, MongoDB, Redis, Elasticsearch

Web: React, Vue, Node.js, Express, Django, D3.js, WebSockets, HTML, CSS

Cloud & DevOps: AWS, GCP, Docker, Kubernetes, CI/CD

Tools: Git, GitHub, Excel, REST APIs