

Noah G. Gallego

U.S. Citizen • ngallego@csub.edu • [linkedin.com/in/noah-gallego](https://www.linkedin.com/in/noah-gallego) • noahgallego.com • [Github.com/noah-gallego](https://github.com/noah-gallego)

EDUCATION

California State University Bakersfield | Bakersfield, CA

Expected Graduation: Summer 2026

Bachelor of Science in Computer Science | Minor in Applied Statistics

Relevant Certifications: [Convolutional Neural Networks](#), [Neural Networks](#), [Hyperparameter Tuning](#), Data Visualization with [Matplotlib](#) and [Seaborn](#), and [AWS Cloud Foundations](#), AWS Machine Learning Associate (In Progress)

TECHNICAL SKILLS

Languages: C++, Python, JavaScript, PHP, Java, SQL, NoSQL, Shell, R, TypeScript, (Frameworks) React, Node, C#
Data Tools: Pandas, NumPy, Jupyter, Tableau, Office 365 Suite, Snowflake, Datalab
Web Development: HTML, CSS/SCSS, jQuery, Fetch, Apache, XML
Libraries: Matplotlib, Seaborn, BeautifulSoup, TextBlob, Requests
AI/ML: PyTorch, TensorFlow, Keras, NLP, LLM's (Gemini, etc.)
Version Control: Git, GitHub, GitLab, CI/CD
Web & API's: Flask, FastAPI, REST APIs, Streamlit, Slack Bolt, WebSockets
Operating Systems: Linux, macOS, Windows
Other: Vector DB's, Metadata Filtering, Data Analysis, ML
Cloud & Dev Ops: AWS (EC2, S3, EB, Bedrock, Sagemaker, Kinesis), Docker, Kubernetes

WORK EXPERIENCE

Machine Learning Engineer | Walt Disney Company | Bakersfield, CA

May 2026 - August 2026

- Incoming Summer 2026 on Disney's Ad Platform Team!

Software Engineer | Linean | Bakersfield, CA

October 2025 - Present

- Developed a Grant Management System (GMS) for the California Commission on Teacher Credentialing to support administration of over **\$10 million** in state educator stipend funding using [ASP.NET](#).
- Designed and developed [Linean.com](#), increasing traffic by 800%.

Machine Learning Engineer Intern | Apple | Austin, TX

May 2025 - Aug 2025

- Interned with the Artificial Intelligence & Data Platforms (AiDP) team within Apple's IS&T organization.
- Reduced **search time by 60%** for over Apple's Slack users by developing and deploying a production-grade **semantic search and summarization** bot using **FastAPI**, **OpenSearch**, **Apple's Foundation Models**, and **Kubernetes**.
- Automated **Snowflake** sandbox view creation, reducing request fulfillment time from **~2 days to minutes**, by building a secure Streamlit platform with role-based access, Apple Auth, and Snowflake API integration.
- Developed and deployed **two RESTful APIs** integrated with SAP test systems, now powering a Slack-based LLM workflow.
- Designed a proof-of-concept **anomaly detection engine across 18,000+ time-series supply chain datasets** using **LSTM Autoencoders and Isolation Forests**, paired with a GenAI Streamlit interface for SQL exploration and anomaly analysis.

Machine Learning Research Assistant | CSUB | Bakersfield, CA

August 2024 - Dec 2024

- Develop ML models with University Faculty to predict influenza contraction likelihood based on environmental factors.
- Achieved **60% lower MAE** and **80% fewer parameters** using a **GRU/CNN** hybrid model than prior research.
- Conducted initial data preprocessing and feature engineering to optimize the hybrid model's performance.

Data Scientist Intern | Lawrence Livermore National Laboratory | Livermore, CA

Jul 2024 - Aug 2024

- Applied advanced machine learning techniques (**CNNs, RNNs, DNNs**) using **PyTorch**, **TensorFlow**, and **scikit-learn** to **reconstruct electro-anatomical maps** and classify arrhythmias from 12-lead ECG data.
- Achieved **98%** accuracy through **four deep learning models**, increasing sensitivity in detecting arrhythmias.
- Integrated ML workflows, to implement a **GRAD-CAM**, enhancing model interpretability for domain scientists.

Advanced Web Development Teaching Assistant | CSUB | Bakersfield, CA

Jan 2024 - May 2024

- Mentored **25+ Students** in debugging backend systems and designing **REST APIs for server-side web applications**.
- Provided academic support to students needing help with **Node.JS, PHP, Shell, JS, and HTML/CSS**. ([Project Website](#))
- Facilitated a **5-10% increase in average student grades** compared to previous course iterations.

PROJECT EXPERIENCE

Stanford Deep Learning Portal Projects | Python, Tensorflow, Keras, Jupyter, Matplotlib

- One of fourteen** students out of 120 nationwide who participated in an intensive machine-learning program at **Stanford**.
- Implemented a **neural style transfer model** to generate artistic images by blending content/style from different images.
- Created **object detection models, classification models**, and more, while **collaborating with Ph.D. researchers**.

Beats By Dre Sentiment Analysis | Python, Textblob, BeautifulSoup, Pandas, Matplotlib, Numpy

- Performed **comprehensive sentiment analysis** on consumer reviews as part of the [Beats By Dre Externship](#).
- Used **Web Scraping tools (Oxylabs, BeautifulSoup)** to scrape reviews for analysis, followed by EDA.
- Utilized advanced **natural language processing** tools, including the Gemini AI API, to interpret customer feedback.

LEADERSHIP EXPERIENCE

Web Development Coordinator | California State University Bakersfield

Jan 2024 - Present

- Led a team that designed and developed the Career Pathways, California Energy Research Center, AI Hub & Math Dept website.
- Increased **traffic by 27% average** across all sites.