

Bryan Nakasone

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Education

University of Hawaii at Manoa

Honolulu, HI

Bachelor of Science in Computer Science (Data Science Track), Senior standing

August 2022 - Present

GPA: 3.5

Relevant Coursework: Data Structures and Algorithms, Probability and Statistics, Linear Algebra, Machine Learning Fundamentals, Software Engineering

Roosevelt High School

Honolulu, HI

High School Diploma

May 2022

Magna Cum Laude, Member of Varsity Paddling Team.

Technical Skills & Projects

Programming: Python, JavaScript, TypeScript, Java, SQL, MATLAB, LISP

Tools: Git/Github, Jupyter Notebook, Linux, MacOS, Windows, Docker, CLI

ICS 435 Final Project

- Engineered an end-to-end NLP pipeline to extract social media data via the Bluesky API, filter adversarial bot activity, and visualize public sentiment drift over time.
- Developed an anomaly detection filter utilizing TF-IDF word and character patterns with an optimized XGBoost classifier, achieving a 96.25% recall rate in identifying automated content.
- Fine-tuned a RoBERTa transformer model for multi-class sequence classification using Hugging Face and Optuna Bayesian optimization to capture complex semantic context.
- Designed a continuous time-series tracking system to map raw sentiment predictions into numerical scores, creating rolling-average visualizations to correlate public opinion shifts with real-world events.

ICS 314 Final Project

- Developed a full-stack e-commerce web application serving the University of Hawaii at Manoa community for peer-to-peer trading using React Bootstrap, Next.js, Vercel, and PostgreSQL
- Implemented secure user authentication and database schema design.
- Collaborated with team using Agile methodologies including sprint planning, code reviews, and version control

Work Experience

Labratory for Advanced Visualization and Applications at UH Manoa

Honolulu, HI

Undergraduate Research Assistant

August 2025 - Present

- Support geospatial visualization research through an interactive projection mapping initiative for the Hawaii State Energy Office that merges 3D-printed island topography with GIS data visualization.
- Helped create interactive projection systems that dynamically overlay multi-layered geospatial datasets onto physical 3D terrain models, enabling intuitive spatial analysis for various use cases.
- Developed a full-stack web application that simplifies geospatial data processing by converting GeoJSON and zipped shapefile formats into projection-optimized PNG layers with custom specifications.

Frank DeLima's Student Enrichment Program

Honolulu, HI

Personal Assistant

June 2022 - January 2025

- 100+ performances across educational institutions and public venues, managing audio equipment setup, stage coordination, and costume transitions
- Demonstrated adaptability by quickly adjusting to diverse venue requirements and technical constraints
- Managed merchandise sales and customer interactions post-performance