KEVIN NGUYEN

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EDUCATION

California State University Fullerton, Fullerton, CA   Expected May, 2025
BS in Computer Science
Relevant Coursework: Algorithm Engineering, Artificial Intelligence, Computer Organization & Assembly Language, Discrete Mathematics

WORK EXPERIENCE

CIC Summer Research Project, Fullerton, CA   May 2024 - July 2024
Volunteer Software Intern
- Collaborated with a multidisciplinary team to analyze emotional well-being using social media data and advanced analytics.
- Developed and deployed a **neural network model** in TensorFlow to predict user emotions based on social media activity, contributing to valuable research insights.
- Created sophisticated data visualizations using Matplotlib and Seaborn to illustrate key research findings, improving the analysis and interpretation of complex data patterns.

PROJECTS

Geospatial Clustering - Raytheon Technologies
Software Engineering Project (Python, TypeScript)
- Designed and implemented a location-based clustering system to identify regional groupings within large spatial datasets.
- Built a configurable pipeline for detecting and analyzing clusters with varying density and proximity thresholds, supporting broader geospatial research goals.

Bring Your Own
Full Stack Web Application (JavaScript)
- Developed a **full-stack** potluck event management platform using **React**, **Node.js**, and **MongoDB**, enabling users to create, manage, and RSVP to events.
- Implemented OTP-based **authentication** and JWT **token** management via HTTP-only **cookies**, ensuring secure user sessions.

National Basketball Predictions
Machine Learning Project (Python)
- Built a **predictive model** to forecast NBA game outcomes using historical player and team data, achieving notable accuracy.
- Collected, cleaned, and preprocessed large datasets to ensure robust model performance, employing key metrics such as **accuracy**, **precision**, and **recall** to evaluate prediction reliability.

SKILLS

- *Programming Languages:* C++, Python (Proficient), JavaScript (Proficient), PHP, HTML, CSS
- *Software:* Blender, Adobe Creative Suite (Illustrator, Lightroom, Photoshop, Premiere Pro), Microsoft Office Suite (Excel, Powerpoint, Word)