Minh Nguyen

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SUMMARY

Aspiring **Software Engineer** with expertise in **developing creative software solutions** across web and mobile platforms. Proficient in **full-stack development**, **data analysis**, and **machine learning**, with a focus on delivering seamless, scalable solutions.

EDUCATION

University of California, Davis **Jun 2025**
BS in Computer Science, GPA: 3.6 Davis, CA

COURSEWORK

• Software Engineering • Machine Learning • Data Structure and Algorithm Design • Programming Languages

EXPERIENCE

Life of Kai **Mar 2024 – Present**
Full-Stack Developer Davis, CA

• Developed a **social media iOS app** for pet owners using **Swift**, **UIKit**, and **Firebase**, featuring personal pet profiles, animal sightings tracking via **Google Maps API**, and private messaging.
• Implemented secure **third-party login authorization** for improved user accessibility and security, leveraging tools like **CocoaPods** and **Firebase** for seamless integration.
• Collaborated with designers to deliver a user-friendly app interface, focusing on **scalability** and **real-time data handling**, with the product currently in the development phase.

PROJECTS

Melodee Social · | Web Application

• Developed a full-stack social media forum for musicians using **Node.js, Express, SQLite,** and **Handlebars**, allowing users to create and interact with **text, video, and audio posts.**
• Implemented secure **user authentication** with **bcrypt** and designed a **RESTful API** for dynamic content management and interaction.
• Optimized the user experience with a **mobile-responsive UI** and file upload handling using **Multer** for seamless video and audio sharing.

Wildfires: Predicting the Cost · | Machine Learning Project

• Collaborated on a **machine learning project** to predict wildfire **size, duration, causes**, and **financial damage**, using datasets from sources like **Kaggle**, **NOAA**, and the **California Department of Forestry and Fire Protection**.
• Developed models using tools such as **Python**, **Scikit-learn**, and **TensorFlow**, implementing **Linear Regression**, **Logistic Regression**, and **Multi-Level Perceptron** to address both classification and regression tasks, achieving a **73% accuracy** in predicting the causes of fires.
• Integrated environmental factors like **temperature**, **precipitation**, and **geographic location**, enhancing model performance to aid in wildfire response planning and **resource allocation**.

Nokia Classics · | Web Application

• Built a retro-themed arcade website, **Nokia Classics**, featuring games like **Snake**, **Sudoku**, and **Space Shooter**, using **HTML**, **CSS**, and **JavaScript**.
• Designed and implemented responsive gameplay with a **Nokia phone-inspired** aesthetic, ensuring a smooth experience across devices.

SKILLS

• **Languages:** Proficient: C++, Java, Swift | Intermediate: Python, JavaScript, Go, HTML, CSS, SQL, GDScript
• **Frameworks:** Node.js, Express, Handlebars, UIKit, CocoaPods, Firebase, Godot

• **Libraries:** Scikit-learn, TensorFlow, Pandas, NumPy, RESTful APIs, Google Maps API
• **Developer Tools:** Git, GitHub, VSCode, Jupyter Notebook