PHI HUNG NGUYEN

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EDUCATION

UCLA   **LOS ANGELES, CA**
B.S. Computer Science   **Expected Graduation: December 2025**
- Relevant Coursework: Software Construction, Algorithms, Operating Systems, Theory of Computing.

MOORPARK COLLEGE   **MOORPARK, CA**
Associate of Science in Computer Science, Mathematics and Physics   **2020-2023**
- 4.0 GPA, Dean's List every semester.

Break Through Tech at Cornell Tech, New York, NY   **Date Completed: August 2024**

TECHNICAL PROFICIENCIES

- Languages: Python, C++, JavaScript, HTML
- Development Tools: Visual Studio, GitHub, Git, Arduino
- Libraries, Packages and Databases: React, Node.js, Firebase, Pandas, NumPy, Keras, TensorFlow, Scikit-learn

PROFESSIONAL EXPERIENCE

BREAK THROUGH TECH AI UCLA   **LOS ANGELES, CA**
Machine Learning / Data Science Fellow   **May 2024 - Present**
- Participating actively in a year-long program mastering data analysis pipelines using ML/AI libraries like Scikit-learn, and Tensorflow.
- Achieved 84%+ accuracy on average with deep learning models such as CNN and RNN using Keras.
- Applied Neural Network models to various tasks, including regression through Image Recognition and Computer Vision, Natural Language Processing, and honed data preparation, modeling, and evaluation skills using NumPy, Pandas, and Matplotlib for accurate and efficient data-driven decision-making.

TECHNICAL EXPERIENCE

CLASSSYNC PROJECT   **LOS ANGELES, CA**
Project Lead + Security Lead   **Jan 2024 - March 2024**
- Collaborated with a team of four to create an alternative UCLA Degree Audit System tailored for Computer Science students using **React**, **CSS**, and **Firebase** for an interactive and seamless experience.
- Engineered the integration between front-end and back-end, implementing essential Cloud Firestore operations to ensure robust communication between clients and servers.
- Developed a comprehensive authentication system, enabling secure sign-up/sign-in via email, including features for password reset and credential verification to enhance security.

IRON MAN GAUNTLET - HACK COMPETITION   **LOS ANGELES, CA**
Project Lead + Electrical Lead   **July 2023**
- Designed a gauntlet within 48 hours with functional sensors and real-time data transmission to a website.
- Developed an **Arduino**-based circuit with ultrasonic, air quality, and temperature/humidity sensors, combined with an OLED display for real-time data, and an LED for air quality or fire warnings.
- Collaborated with website and CAD team members to successfully transfer data to the website in near-instant (3ms).
- Presented the design to a panel of judges and received recognition for the Most Innovative Electrical Design.

IPODUINO   **LOS ANGELES, CA**
Programmer   **July 2023**
- Developed a dynamic music player circuit utilizing a buzzer and multiple LEDs with **Arduino Nano**.
- Implemented a song-switching feature, enabling on-the-fly song changes via a simple button press.
- Achieved near instant song switching with a delay of only 4ms.
- Presented the design and received an award for being one of the top 3 Ipoduino designs in the program.