Duy X. Vu

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EDUCATION

Oak Park High School **August 2017 - May 2021**
Graduated with the Gold Medallion/AP Capstone Diploma with AP Scholar award *Kansas City, Missouri*

- 3.823 GPA; 4.425 Distinctive GPA; 1% in Class Rank
- Extracurricular Activities
  - **TSA (Technology Student Association)** **August 2014 – May 2019**
    - Achieved 6th Place at Nationals, 2017 (CAD Foundations).
  - **Tennis** **March 2018 – July 2021**
  - **Robotics** **January 2018 – December 2018**
  - **Scholar Bowl** **August 2019 – May 2021**

Metropolitan Community College – Maple Woods Campus **August 2019 - May 2021**
Graduated with an Associates of Arts Degree *Kansas City, Missouri*

- Graduating as a Presidential Scholar and on the Dean's List.
- 4.0 GPA.

University of California-Berkeley **August 2021 – May 2025**
Bachelor of Arts in Data Science *Berkeley, CA*

- Attending in the Fall Semester of 2021.
- Extracurricular Activities
  - Vietnamese Student Association (VSA) **August 2021 – May 2022**

STEM/RESEARCH EXPERIENCE

Undergraduate Lab @ Berkeley (ULAB) **August 2021 – May 2022**
University of California-Berkeley *Berkeley, CA*

- Using several datasets from music companies and third-party services to understand the effect of COVID-19 on the music industry of the US.
- Working in a small group of 5, applying teamwork skills under a mentor.
- Analyze and visualize data using R, Tableau, Python.

Winter Break Self-Learning **December 2021 – January 2022**
Udemy/Online *Kansas City, MO*

- Utilized intermediate Solidity and JavaScript concepts to gain a better understanding of Smart Contracts and Blockchain with a sense of user security.
- Understood basic concepts of macroeconomics and stocks through an online course.

Generating Guitar Music using CNNs and AI **August 2020 – May 2021**
Oak Park High School *Kansas City, MO*

- Altered existing open-source projects from GitHub to be available to learn/read Guitar-style MIDI files.
- Cleaned and handled 20GB MIDI data using a supply of audio-editing software formalizing notes and volume.
- Monitored and analyzed 200 hours of learning time, applying solutions towards errors throughout the project.
- Found a viable conclusion with data samples provided and introduced errors done within the study.
- Used a variety of AWS and cloud technologies to host the neural networks and data pipeline and show impact of instrument diversification.