

ALEX NGUYEN

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EDUCATION

University of California San Diego

Sep 18 - June 22

- B.A. in Data Science
- Coursework: Programming/DataStructure for Data Science, Principles of Data Science, Intro to Data Visualization, Intro to Machine Learning, Intro to Data Management, Linear Algebra, Theoretical Foundations of Data Science, Practice of Data Science, Data Analysis and Inference, Probabilistic Modeling and ML

WORK EXPERIENCE

AI CAMP Data Science Intern

June 2022 - Present

- Manage group of High School Students to create a computer vision project
- Develop company's dashboard with React and Django

Student Researcher Assistant for Bird image Classification

February 2022 - June 2022

- Prepare bird image data to use for classification in an CNN model

The Village Market

June 2019 - January 2021

Crew Member

- Responsible for stocking, cash register operation and customer service
- Assisted with maintaining the store in a clean and orderly manner
- Prepared and served a variety of coffee drinks

PROJECTS

Multi Modal Cell Analysis via (Coupled) Autoencoders

2021 Fall

- Github Link: https://18anguyen9.github.io/DSC_180_website/
- performed cross modality prediction in single cells with autoencoders
- implemented a coupled autoencoder network with Pytorch

Computer Vision Person Detection

2022 Spring

- Github Link: https://github.com/18anguyen9/person_detection
- Performed computer vision project to detect number of people in a photo in YOLOv5
- Developed website with HTML, CSS, and Flask

Loan data preprocessing and feature extraction

2020 Spring

- Github Link: <https://gitlab.com/18anguyen9/ssa>
- extracted features from large loan dataset using DASK on ec2 instance
- prepared labels for ML on EMR instance with SPARK

Data Visualization of Korean Music Groups

2018 Fall

- Github Link: <https://cduong18.github.io/>
- Created visualization that displays top korean music groups along with their statistics in HTML and Javascript.

- Displayed the rankings of the most popular groups as well as their distribution among other groups

Snapchat Political Ad Analysis

2019 Fall

- Github Link: <https://github.com/18anguyen9/SCPolitAds.git>
- Analyzed the factors that affect the number of views a political ad receives in Python
- Discovered that the amount spent on an ad gives us the best prediction on how many views the ad receives

SKILLS

- **Programming Languages and Frameworks:** Python, SQL, HTML, CSS, JavaScript, React, Java, Pytorch
- **Languages:** English, Vietnamese