

Anh Nguyen Phung

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EDUCATION

University of Arizona

Tucson, AZ

BS in Computer Science, Maths, Statistics and Data Science / GPA: 4.0/4.0

Expected Graduation: May 2023

- Dean's List with Distinction, Academic Year Highest Academic Distinction.
- Relevant Coursework: Data Structures and Algorithms, Cloud Computing, Software Development, Object-Oriented Design, Computer Organization, System Programming, Computer Networking, Database Design, Cryptography, Linear Algebra.

EXPERIENCES

Two Sigma

New York, NY

Software Engineer Intern (Python, Java, TypeScript, SQL, Bash, REST, Docker)

May 2022 – Aug 2022

- Investigated how OpenMetadata (OM) and OpenDataDiscovery (ODD), two open source projects that extract metadata from different kinds of data sources, can be integrated into the internal system.
- Implemented custom metrics and data quality tests for datasets using OM and ODD's frameworks.
- Designed and built custom connectors to collect metadata from the company's storage services to OM and ODD.
- Performed latency testing on metadata ingestion from more than 100000 datasets to OM and ODD in which each dataset has millions of rows.

Meta

Remote, U.S.

Data Challenge Finalist (Python, SQL, Jupyter Notebook)

Apr 2021 – Aug 2021

- Explored the dataset of over 7000 Netflix movies and TV shows on Kaggle to build a hypothetical streaming service.
- Analyzed the trends of how the content added by Netflix each year has changed throughout time to make a recommendation for what types of content should be added on the streaming platform.

Department of Computer Science at The University of Arizona

Tucson, AZ

Undergraduate Teaching Assistant, Tutor Coordinator

Aug 2020 – Present

- Attend lectures, assist students with their works during office hours, and grade their assignments.
- Monitor tutors, create coverage schedules, and supervise the tutor center.

Masel Lab

Tucson, AZ

Data Science Researcher (Python, SQL, Bash, Jupyter Notebook)

May 2020 – May 2021

- Interpreted biological data to research the nature of early proteins from long-term trends in their subsequent evolutions by inferring separate substitution matrices for different kinds of sequence.
- Built the pipeline of processing over 3000 multiple sequence alignments using RAxML, Notung, and TreeFix to produce reconciled rooted domain trees with branch lengths.

PROJECTS

Simple Blog Page (Python, HTML/CSS, JavaScript, Bootstrap, Django)

[GitHub Link](#)

- Built a simple blog web page using the Django framework in Python.

League of Legends Gold Analysis (Python, Jupyter Notebook)

[GitHub Link](#)

- Analyzed the average amount of gold gained per game by every champion using the multiple linear regression model.

Finding Nearest Restrooms App (Java, Google Map API, Android Studio)

[GitHub Link](#)

- Implemented an Android application that finds the nearest restrooms based on the user's current location in a hackathon.
- Won the Best Beginner Hack prize.

TECHNICAL SKILLS

- Tools/Frameworks: Git, AWS, MongoDB, Django, Bootstrap, REST, Docker.
- Languages: Python, Java, SQL.
- Familiar With: C/C++, Haskell, R, HTML/CSS, JavaScript, Assembly, Ruby, Prolog, Bash.