

Duc Huy Nguyen

(+1) 216-507-8369
ndhuy01@gmail.com
in linkedin.com/in/duchuy-nguyen
github.com/huynd2001
huynd2001.github.io



EXPERIENCE

- Databricks Inc.** May 2023 - July 2023
Software Engineer Intern
- Snowflake Inc.** Sep 2022 – Nov 2022
Software Engineer Intern @ Data Governance — Java, SQL
- Implemented new tagging features for database object governance using **Java**
 - Implemented user's object tag lineage view by **SQL**
 - Reduced view creation time by **90%** through JOIN queries optimization and analysis
- Uber Technologies Inc.** June 2022 – Aug 2022
Software Engineer Intern @ Data Security & Compliance — Java, Python, SQL, Hive, Spark, Presto
- Conducting analysis on data lake log system using **SQL**
 - Improving data lake cache's performance using Machine Learning to estimate priority partitions using **Spark**
 - Maintaining data workflow for propagating data and access prediction using **PySpark**
- MTI Vietnam AI Lab** Mar 2021 – July 2021
Software Engineer Intern — Javascript, TypeScript, C#, Python
- Maintained an old Proof of Concept frontend codebase using **.NET Blazor** Framework in **C#**
 - Developed a frontend web application to query API requests history using **AngularJS** in **Typescript**
 - Authenticated requests to access transaction history using **Cognito** and **AWS Lambda**
 - Stored and retrieved transaction history on **DynamoDB**
- CWRU Department of Computer and Data Science** Aug 2021 – Present
Teaching Assistant
- Course: Software Craftsmanship, Algorithms
 - Holding weekly office hours to help 50 students with course-related topics
 - Grading programming assignments and quizzes for students

AWARDS

- Electronic Trading Challenge (ETC) by Jane Street** 2022
- Placed 1st in ETC 2022 hosted at Seattle
- International Collegiate Programming Contest (ICPC)** 2019 – 2021
- Participated for CWRU ICPC team and achieve the First North American Championship in 2020
 - North America Championship: Placed 7th in 2021 and 16th in 2020
 - North America East Division Championship: Placed 10th in 2020
 - East Central Regional Contest: Placed 6th in 2020 and 6th in 2019

PROJECTS

- YACHT Events Manager** — *Java, Dart, Flutter, AndroidSDK, Gradle*  yacht
- Developed an app allows users to schedule events and stream news using **Dart, Java & Kotlin**
 - Utilized **Flutter** to create a UI that displays users' upcoming events
 - Implemented calendar's features allowing users to schedule events using **Java & Kotlin**
- Discord Talkshow Overlay** — *TypeScript, NodeJS, DiscordJS, Socket.IO, AngularJS*  talkshow-bot
- Developed a real time streaming pipeline for streamers to displays viewers' chats from Discord channels
 - Designed an overlay using **AngularJS** allowing streamers to customize the appearance
 - Utilized **Socket.IO** and **DiscordJS** to stream chats and filter inappropriate messages from multiple Discord channels

SKILLS

Languages C++, Java, Python, C#, Typescript, JavaScript, C, Scheme, Haskell, Prolog, SQL
Tools Gradle, NodeJS, ReactJS, Tensorflow, OpenCV, Tkinter, Blazor, AWS Lambda, DynamoDB, AngularJS, Docker, MongoDB, Cabal, Servant
Skills Data Structure and Algorithms, Computer Vision, Optimization Algorithms, Machine Learning, Data Science, Fullstack Developer, Functional Programming

EDUCATION

- Case Western Reserve University** Aug 2019 - Dec 2023
Bachelor of Science in Computer Science GPA: 4.00
- Coursework** Data Structure, Algorithms, Operating System, Concurrent Programming, Database, Software Engineering, Computer Networks, Linear Programming, Programming Language Concepts