

Duc Huy Nguyen

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EXPERIENCE

- Snowflake Inc.** Sep 2022 – Nov 2022
Software Engineer Intern @ Data Privacy — Java, C++
- Uber Technologies Inc.** June 2022 – Aug 2022
Software Engineer Intern @ Data Security — Java, Python, SQL
- 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
- FPT AI** May 2020 – Aug 2020
AI Intern — Python, Javascript
- Researched an invoice information extractor using Deep Learning library Tensorflow and Image Processing library OpenCV
 - Developed a website to showcase the unit's products using ReactJS framework
- 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

- 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

- Rock Paper Scissor Agent** — Haskell, Cabal, AngularJS  rps-player
- Developed a rock paper scissor agent running based on statistics against human players
 - Developed back-end using Haskell Servant library to handle requests
 - Developed front-end using AngularJS for receiving input from human players
- 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 to streaming platforms
 - Designed a customizable overlay using AngularJS that allow streamers to change size and the number of chats being displayed
 - 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