Andy Chhuon

chhuonandy@gmail.com | +1 514-944-3695

 github| linkedin | andycv.com

EDUCATION

Bachelor of Engineering – Software (Co-op)   Sep 2021 - May 2025

Concordia University   *Montreal, QC*

- Relevant courses: Java Object Oriented Programming, Data structures and Algorithms, Software Processes and Operating Systems, Databases

DEC – Health Sciences   Sep 2019 - Apr 2021

High School – 3 year Robotics (C++)   Sep 2014 - Apr 2019

SKILLS

Programming Languages	Java | Python | JavaScript/TypeScript | C# | Html | Css | PHP | SQL | C++
Cloud Platforms	AWS ECR/S3/EC2/Lambda| Microsoft Azure | Docker | MongoDB | Firebase
Frameworks	React.js | Spring | .Net/C# | Express | JUnit | Mockito | Jest

EXPERIENCE

Desjardins Financial Group   May 2023 - Sept 2023

Full Stack Developer Intern   *Montreal, QC*

- Led the initiative in developing a predictive algorithm that identifies and projects recurring transactions based on the clients' 12-month transaction history.
- Designed, iterated, and tested the algorithm in Python on a large database of 5000+ clients while ensuring the system can be scalable to Desjardin's 7.5 million members.
- Obtained, in our final iteration, an impressive accuracy rate of **98%** in correctly predicting the subsequent occurrence of a recurring transaction, receiving lots of praise during our company-wide presentation.
- Adapted the Python algorithm into a Java/Spring API microservice and extended existing code architectures, respecting SOLID principles and unit testing with Mockito and JUnit.

Haivision   Sep 2022 - Dec 2022

Front End React Developer Intern   *Montreal, QC*

- Built complex React components (Data Table, pie chart, stateful buttons, etc.) using TypeScript, to expand UI library.
- Presented proposals and component demos to engineering and UI/UX team in weekly Stand-up meetings, as a means of gathering feedback and improving existing components.
- Thoroughly tested and documented each component for developers' ease of use with Storybook, MDX, Jest.

NOTABLE PROJECTS

PetYogi – Personalized AI Meditation • Website   April 2023 - Current

Full Stack Developer   *Montreal, QC*

- Prepared large datasets and finetuned an Open-Source Machine Learning model to produce a realistic text to meditative voice.
- Deployed the ML model to AWS ECR, using Docker, and deployed the Docker image as a lambda function for the backend to call during inference.
- Back and front-end mobile development using React Native Expo, Firebase Realtime Database, and Express Js.
- Implemented OpenAI API in the backend, to generate personalized meditation scripts based on user input.

Jojo – Job Search Web App Website • Github   Jan 2023 - Apr 2023

Full Stack Developer   *Montreal, QC*

- Led a team of 6 using Agile methodology: organized meetings, delegated tasks, solved team issues and deadlines.
- Built and implemented various front-end components in React as well as a .NET/C# REST API to allow CRUD operations on the list of users, job postings, etc. (MVC architecture, React, Bootstrap)
- Used Cookies and Sessions to keep the user logged in.
- Leveraged No SQL MongoDB for data storage and MongoDB's Atlas Search for search functionality.

Niftybakeries – NFT Marketplace Website • Github   Aug 2021 - May 2022

Full Stack Developer   *Montreal, QC*

- Built full-stack app for programmatic generation of NFTs and deployment of Smart Contracts, receiving 1406 unique visitors and 28 NFT project creations. (Html/css, JQuery, Javascript)
- Developed Smart Contracts, in Solidity, for ERC-721 NFT collections and buying/selling functionalities.
- Implemented a marketplace system, in PHP, which uses CRUD operations for trading of NFTS.

AndyCV.com – Web portfolio • Website   June 2022 - Sept 2022

Front end Developer   *Montreal, QC*

- Built personal website to neatly display projects and accomplishments, including features such as styling tab, overlay 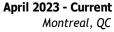tutorials, and hover tilt mouse effect.