

COLIN CHU

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TECHNICAL SKILLS

Languages: Python, Javascript, Solidity, Java, SQL, Racket, HTML, CSS

Technologies: Tensorflow, Scikit-learn, ReactJS, MySQL

EXPERIENCE

Roko's Basilisk NFT

November 2021 - Present

Lead Developer

- Lead a team of 3 to develop and deploy a smart contract onto the **Ethereum blockchain**
- Implemented a proxy and admin smart contract in **Solidity** for the upgradeable contract functionality

PROJECTS

Covid-19 Detection Model

Python, Tensorflow, Scikit-learn

- Used a **convolutional neural network** to classify images of CT scans of lungs as either Covid-19 positive or negative with an accuracy of 87%

Stock Portfolio Discord Bot

Python, MySQL

- Used the **Discord** and **YFinance API** to develop a bot which monitors a portfolio of stocks
- Implemented a system to store and collect this data with a **MySQL** database, linking portfolios to users

Chess Engine

Java

- Designed and implemented an object-oriented representation of Chess as a base game
- Developed a chess engine using the **Alpha-Beta pruning and Minimax** algorithms with traditional heuristic evaluations of positions

Blockchain

Javascript, ReactJS

- Constructed a blockchain model with OOP in **Javascript** with a **React** interface
- Implemented a **transaction** functionality and a security verification **mining** functionality

EDUCATION

University of Waterloo

September 2021 - June 2026

Candidate for B. Computer Science

Bayview Secondary School

September 2017 - June 2021

International Baccalaureate Program

LEADERSHIP

FBLA Canada

August 2019 - July 2021

Head of Events

- Lead the events team to create a business conference event with a national-level expansion
- Coordinated with a team of 10 to develop a positive experience for over 1000 students