

CHRISTOPHER LO

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EDUCATION

Georgia Institute of Technology | Atlanta, GA

Bachelor of Science in Computer Science

September 2019 – Present

Relevant Coursework:

- Intro to Computing
- Intro to Object-Oriented Programming
- Data Structures and Algorithms
- Intro to Database Systems
- Computer Organization and Programming
- Design and Analysis of Algorithms
- Intro to Discrete Mathematics for Computer Science
- Objects and Design
- Computing, Society and Professionalism
- Project Design and Tech Comm Strategies
- Project Implementation / Tech Comm Approaches
- Intro to Artificial Intelligence

EXPERIENCE

PDT Partners Summer Technology Analyst | New York, NY

June 2021 – August 2021

- Used Kubernetes to manage infrastructure clusters used for trading.
- Collaborated with other teams in order to gather requirements and come up with design for application.
- Implemented multithreading in Python and made use of the boto3 framework to upload files to the cloud.

LBI Software Full Stack Web Developer | Melville, NY

January 2021 – May 2021

- Implemented Angular directives and components for CAESAR website (baseball scouting analytics)
- Created controllers and services for Spring Boot backend for relaying asynchronous promises between frontend and backend
- Worked on XML configuration files for dealing with CRUD operations pertaining to SQL database

HackGT Inc. Tech Team Developer | Atlanta, GA

December 2019 – Present

- Implemented full-stack check-in system for HackGT 7 using JavaScript REST APIs and GraphQL
- Developed Piranha financial system for managing HackGT budgets using React
- Created teaser-site with HTML/CSS (flexbox, styling, assets) for Health Tech hackathon in Atlanta

Georgia Tech Robotic Musicianship Lab Researcher | Atlanta, GA

August 2020 – Present

- Implemented a recurrent neural network (RNN) called long short-term memory (LSTM) to generate new classical music compositions using MIDI files as input

RoboJackets IGVC-Software Developer | Atlanta, GA

December 2019 – May 2020

- Implemented D* Lite algorithm on top of ROS move_base_flex for robot navigation over unknown terrain in C++

ASSETS

Programming: Java, Python, C/C++, HTML/CSS, JavaScript, SQL

Frameworks: React, Angular, Flask

Environments: Emacs, Visual Studio Code, IntelliJ, Eclipse

Languages: English (native)

Platforms: Linux

AWARDS

Hacklytics Best Visualization

June 2018 – June 2019

- Developed a website using Python Flask as front-end to display unemployment throughout the globe
- Created an interactive visualization of unemployment levels using Plotly where users could rotate the world and identify levels of unemployment in their respective countries.
- Extracted statistical meaning out of data using libraries including Numpy, Seaborn, and Pandas

ORGANIZATIONS

Grey Hat Hacking (Cybersecurity Organization)

- Practice gaining root on boxes available on HackTheBox in addition to competing in CTFs using operating system knowledge

The Agency (Machine Learning Organization)

- Applying machine learning techniques with TensorFlow and PyTorch while attending talks and reading research papers on artificial intelligence, machine learning, and deep learning.