Christopher Nguyen

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EDUCATION

Bachelor of Science in Computer Science, York University   *Expected Apr. 2022*

- Cumulative Grade Point Average: **3.3 / 4.0**
- Courses: Object Oriented Programming, Algorithms, Data Structures, Database Systems, Public Speaking
- Activities: CS Hub (Club President), Lassonde Student Society (Member), WeekZero Orientation (Leader)

EXPERIENCE

Software Engineer Intern, MDA Space   *Halifax, Jan. 2021 – Apr. 2021*

- Incoming Winter 2021 Software Engineer Intern

Software Engineer Intern, CaseWare International   *Toronto, Sep. 2020 – Dec. 2020*

- Worked on the Cloud Engagements front-end team to develop UI features and hotfixes for existing products, improving the end-user experience using **Angular** and **TypeScript**
- Optimized querying functions to a frequently called endpoint to reduce API calls, lowering latency to $<$ **1s**
- Reduced landing page render time by $\sim$**10%** by caching user settings locally over session stored data

Software Engineer Intern, MLH Fellowship   *Remote, Jun. 2020 – Aug. 2020*

- One of $\sim$120 selected from 20,000+ to contribute to **Python open source software**
- Developed a skeleton class for **Flask (11M+ monthly downloads)**, improving re-usability and modularity
- Replaced the **Werkzeug (14M+)** jQuery with vanilla JavaScript, allowing for $\sim$**20%** reduced file sizes
- Updated **FastAPI (516K+)** error handling, adding the ability to discern imports and identify ghost bugs

Undergraduate Teaching Assistant, York University   *Toronto, May 2020 – Aug. 2020*

- Teaching assistant for EECS1012, Introduction to Computer Science (**$\sim$150 students**)
- Taught programming fundamentals and the basics of web development using **HTML**, **CSS**, and **JavaScript**
- Developed exercises and solutions, debugged assignments, provided feedback, and managed a Q&A forum

PROJECTS

Google Drive Mockup, File Repository

- Flask web application that allows users to upload, view, and delete files. Supports optional tags to uploaded files to filter by. Created with **Python**, **Flask**, **SQLite**, **Bootstrap**, and **Docker**

Fellowship Class Profile, MLH Fellowship Hackathon (2nd place)

- Web application that aggregates a user's GitHub stats over a 12 week period and generates a website for display. Created in a team of four with **Python**, **JavaScript**, **Flask**, and **GitHub GraphQL API**

Rosie Bot, Multifunctional Discord Chatbot

- Discord chatbot with 20+ features designed to centralize many actions to one platform (i.e. return Google searches, Reddit posts). Created with **Java**, **MySQL**, **Discord**, **Reddit**, **Google CSE APIs**, and **Docker**

SKILLS

Languages: Python, Java, JavaScript, HTML, CSS, SQL

Tools & Frameworks: Flask, React, Node, Bootstrap, Git, Jira, MySQL, MongoDB, Docker

INTERESTS

Working at Shopify, Twitch affiliate, NDS hacking, Skateboarding, Piano, Ukulele