

NATHAN WOOTTON

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EDUCATION

Bachelor of Computer Science, University of Toronto

Sept 2020 - Present

CGPA: 3.54

2022 Winter Session GPA: 3.68

SKILLS

Languages

Python, Java, C, HTML, Javascript, CSS, R, Unix, Assembly, SQL

Tools

React, IntelliJ, PyCharm, JUnit, Visual Studio, Android Studio, Git, Jira, PostgreSQL, Heroku, NPM, jQuery

Currently Learning

Flask, Django,

Personal Skills

Flexible, Reliable, Adaptable, Independent & Open-minded

PROJECTS

Project 1 – Sous-Chef: Food Tracker and Kitchen Assistant

[\(Link\)](#)

- Used Java and JUnit testing to write and test the application core.
- Ported to Android Application format using Gradle and Android developer tools.
- Worked with a team of six to create an Android app kitchen assistant.
- Used Git and Jira consistently during this project to keep organization.

Project 2 – UTM Esports Club Discord Bot

[\(Link\)](#)

- As part of a hackathon, created this bot in 36 hours.
- Used the BeautifulSoup4 library to web scrape data from a static wiki as requested.
- Used Discord API wrapper in python to connect to the platform and display scraped information.

Project 3 – Checkers Game

[\(Link\)](#)

- Used Python language to create a playable checkers game as part of CSC111 final project.
- Created a rendered checkers board and game using PyGame library.
- Implemented AI of varying difficulties to play against.
- Used alpha-beta pruning to optimize game tree searches which optimizes run time.

Project 4 – Personal Website

[\(Link\)](#)

- Created a React application that is a personal website.
- Used dynamic CSS to make the web page mobile friendly.

EXTRA-CURRICULAR ACTIVITIES

- Top 12 in IMCP Category, DECA Provincial Competition 2019.
- Ontario Band Association two-time gold winning Heart Lake Senior Band member.
- 2019 Peel Region Honours Band 2nd Chair Alto Saxophone.

VOLUNTEER EXPERIENCE

Youth Corps Volunteer Credit Valley Conservation

June 2019

Link Crew Leader Heart Lake Secondary School

Sept 2018 - June 2019