NGUYEN TRAN

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Skills

Languages: Python, C, C++, HTML/CSS/JavaScript
Technologies: Git, Pytest, Bash (Linux)

Projects

swatos (Hack the North)   September 2021

- Co-developed a keyboard shortcut reference app to help programmers learn keyboard shortcuts more easily
- Designed a user interface that displays 10 shortcuts from popular code editors at a time to avoid overwhelming users
- Built using Kivy, an open-source, multi-platform, well-documented Python GUI framework

PyTurkey   July-August 2021

- Developed a personal program to manage bedtime, study sessions, and blocking websites
- Solved the issue where an existing website-blocking software lacks scheduling and Pomodoro blocking
- Augmented from an existing website-blocking software using Python's subprocess module

Laser Chess   July-August 2021

- Implemented Laser Chess, a two-player strategy board game
- Unit-tested using Pytest to ensure the game's rules are followed

Gomoku (Generalized Tic-Tac-Toe)   May 2021

- Created an app based on a Tic-Tac-Toe-like game called Gomoku, where the board size and winning length is customizable
- Learned graphical interface design with Pygame and numpy in backend

Education

University of Waterloo   September 2020 - Present

Candidate for Bachelor of Computer Science - GPA: 90.80 / 100
Relevant Courses:

- Elementary Algorithm Design and Data Abstraction (C) (GPA: 95 / 100)
- Object-Oriented Software Development (C++)

Work Experience

The Great Canadian Bagel - Food Counter Server   July 2019 - July 2021

- Worked both independently and in a team to make bagel sandwiches and coffee in a fast-paced environment
- Cooperated and communicated in a team of five, as part of a drive-thru assembly line, to deliver orders to customers timely and accurately