Haris Ayub

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Education

COMPUTER SCIENCE (B.A.SC.), CO-OP

Sept 2018 – Apr 2022 (expected)

- McMaster University – Hamilton, Ontario, Canada
- Cumulative GPA 3.98/4.0 (Deans' Honour List)
- Pursuing a minor in Statistics

Projects

PETGHOST   *March - April 2019*

- Developed a Tamagotchi-like web app using **Elm** and **Django**, complete with user authentication and item database
- Used McMaster Outreach's GraphicSVG library in Elm for graphics
- Utilized get and post **HTTP/JSON** requests and used **SQLite** for the database

STUDY MATES (STARTERHACKS 2019):   *January 2019*

- Assisted in developing an iOS application for students to find study partners, through creating interactive study rooms and find nearby students studying similar subjects
- Developed using **Swift** and Apple Maps API

MR. FRENCH'S ANIMATRONIC HEAD: *January 2018*

- Designed and programmed an animatronic human head, with full movement utilizing servo and DC motors
- Programmed Arduino in **Arduino C** to control motors
- Implemented wireless control using SSH to a Raspberry Pi

FINAL FANTANOSY VI: *December 2017*

- Created a 2D collection-oriented game, based on collecting music
- Programmed in **Java**, graphics done using JavaFX GUI library

Extracurriculars

MCMASTER QUIZBOWL

Team Member   September 2018 – Present

- Organized fundraisers and hosted trivia tournaments with McMaster's trivia team
- Represented McMaster in various academic trivia tournaments

LANGUAGES:

- Python2/3
- Java
- C#
- C++
- JavaScript
- HTML5/CSS
- Elm
- Haskell
- Arduino C
- Bash

TOOLS/ FRAMEWORKS:

- React.js
- Django
- SQLite
- Git
- Android Studio
- Figma
- Unity
- Photoshop
- FL Studio 12/20

AWARDS/CERTIFICATIONS:

- Achieved a Certificate of Distinction on CCC (Canadian Computing Competition)

- Certified HSK 2 Fluency in Mandarin Chinese

INTERESTS:

- Studying languages, composing music, competitive programming