




# Dawoud Husain

Software Engineer

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## Education

### Bachelor of Computing, Software Engineering (Co-op)

University of Guelph

2020 – Present

Guelph, ON

- › Dean's List recipient for maintaining a GPA above 80%
- › Awarded \$3,500 Entrance Scholarship
- › Volunteer Note Taker with the Department of Student Wellness

## Technical Skills

**Programming Languages:** C, Python, Java, XML, HTML5, CSS3, Javascript, Visual Basic, R

**Frameworks / Libraries:** Vue.js, Node.js, MySQL, SQLite, jQuery, Flask

**Development Tools / Environments:** Github, Trello, GDB, Vim, Netbeans, VS Code, Windows, Linux

**Other:** Full-Stack Web Development, Test Driven Development, Agile/Scrum, Waterfall, Pair Programming

## Projects

### Smart Manager - Web App Built To Track And Manage Employee Data

Dec 2021 – Jan 2022

- › Used source control management software (Github) to publish and maintain an open source, full-stack employee manager featuring account creation, hash-based login authentication, and private user sessions
- › Back-end functionalities allows users to add, retrieve, update and remove data entries onto a database while front-end features include an intuitive, mobile compatible and polished interface
- › *Technologies: SQLite, Python, HTML, CSS and JavaScript/jQuery*

### Swift Chat - A Free To Use Communication Platform

May 2021 – June 2021

- › Used a container-based cloud platform (Heroku) to deploy an online real-time chat application created via full-stack web development
- › Back-end functionalities include the usage of WebSockets, REST API's and a database allowing users to save and retrieve chat messages while front-end features allow for a dynamic user-interface to display messages
- › *Technologies: Pusher REST API, SQLite, Python, HTML, CSS and JavaScript/jQuery*

## Work Experience

### Private Tutor

Alliance Coaching Academy

2019-2021

Markham, ON

- › Specialized in English, Math and the Sciences for grades 1-12
- › Assigned and evaluated student assessments in par with curriculum expectations
- › Consulted students on an individual basis to set realistic academic and career goals while establishing well defined plans of action

## Activities

### Student Coding Club

My Code Club

2016 - 2017

Mississauga, ON

- › Used Apache NetBeans to create aesthetically pleasing and functional Java/Java-Swing applications while simultaneously gaining analytical, problem-solving, and collaboration skills