

# TIM HE

SYSTEMS DESIGN ENGINEERING



timyhe.com



tyhe@edu.uwaterloo.ca



(289)-877-8730



github.com/timyhe

## LANGUAGES

C#, Java, Python,  
HTML/CSS, JavaScript

## TOOLS

Git, Heroku, Android  
Studio, Visual Studio,  
Eclipse, Atom, LaTeX

## EDUCATION

University of Waterloo  
Candidate for B.ASc. in  
Systems Design Engineering  
(Sep 2018 - Present)

### Relevant Courses:

Human Factors in Design,  
Data Structures and Algorithms,  
Digital Computation

## INTERESTS

Jazz trombone, competitive  
trivia, Android theming,  
public transit

## PROJECTS

### literatura | Android study app (In Progress)

- Built robust GUI using XML to access each work of literature and its associated quiz, obtained from a JSON file hosted on GitHub
- Developed book searching services to fetch book covers and information using OpenLibrary API

### stoic bot | Discord bot in Python (Jul 2018)

- Integrated Dark Sky API to fetch realtime data and provide users with appropriate clothes advice
- Utilized Heroku to deploy bot, allowing for constant usage on Discord server

### Final Fantanosy VI | Arcade game in Java (Jan 2017)

- Designed GUI of menu and tutorial screens using Java FX
- Created 8-bit sprite sheets for different in-game characters using Adobe Illustrator

## EXPERIENCE

### Information Assistant | **Elections Ontario**

Jun 2018 | Ancaster, ON

- Communicated with election officers to set-up and troubleshoot new voting technology at polling station
- Directed traffic flow of voters at polling station and accommodated questions on voting process

### Dietary Aide | **Idlewyld Manor**

Jan 2017 - Aug 2018 | Hamilton, ON

- Coordinated with dietary staff to provide residents with meals specific to their nutritional plan
- Maintained clean and healthy working environment for both residents and employees

### President & Team Captain | **Westmount Reach Club**

Sep 2016 - Jun 2018 | Hamilton, ON

- Organized and hosted tournaments in conjunction with McMaster's Quizbowl Club to raise funds and develop local Reach for the Top scene
- Lead team of six students to two consecutive top five finishes at provincial tournament