TIM HE

SYSTEMS DESIGN ENGINEERING

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LANGUAGES

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

TOOLS

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

EDUCATION

UNIVERSITY OF WATERLOO
Candidate for BASc,
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

- 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

- 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

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