

# TIM HE

Systems Design Engineering

[timyhe.com](http://timyhe.com)

[github.com/timyhe](https://github.com/timyhe)

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## Experience

### Full Stack Developer

Imagine Communications | Jan 2019 - Apr 2019

Developed user interfaces, new features, and bug fixes for Versio Automation, a cloud-based TV playout web app using AngularJS

Worked closely with designers, developers and PMs in an Agile environment to deliver solutions to broadcasters such as ESPN and ABC

### Camp Director

Hamilton CAC | Apr 2018 - Aug 2018

Organized and communicated with team of 30+ volunteers to host week-long summer camp for 70+ attendees

Developed event brand identity by designing logo used on T-shirts and other merchandise

## Notable Projects

### literatura

Jun 2018 - Jan 2019

Built a mobile application to promote the discovery and facilitate the study of classical literature through the implementation of Open Library API and a custom API

Redesigned the application from conducting user research through one-on-one interviews, and creating wireframes and prototypes using Figma and Marvel

### FlexFinder

DeltaHacks V | Jan 2019

Designed a mobile application to provide students with a platform to discover potential work-out buddies

Generated wireframes, mock-ups and prototypes and worked with developers to implement the final designs

### Final Fantanosy VI

Nov 2017 - Jan 2018

Designed and developed the front end of an "album collect-a-thon" game in JavaFX, and created 8-bit character sprites in Illustrator

## Skills

### Development

Angular  
React  
Java  
JavaScript/TypeScript  
HTML/CSS  
C++  
Python

### Design

User research  
Usability testing  
Human-centered design  
Prototyping

### Tools

Git  
Android  
Firebase  
Heroku  
Figma  
InVision  
Illustrator  
Marvel

## Education

### University of Waterloo

Candidate for B.Asc in  
Systems Design Engineering  
(Sep 2018 - Apr 2023)

### Relevant Courses:

Human Factors in Design, Intro to Design, Digital Systems, Intro to Programming (C++)

## Interests

Jazz trombone, competitive trivia, reading, public transit