

# tim he

systems design engineering

timyhe.com

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github.com/timyhe

## experience

### Full Stack Developer — Imagine Communications

Jan 2019 - Apr 2019

Developed user interfaces, features, and bug fixes for a cloud-based TV playout web app using Angular and jQuery

Provided design recommendations based on user research through interviewing operators at broadcasters such as ABC and ESPN

Overhauled the "Playlist Tab" feature based on PoCs for ESPN, leading to a 60% increase in efficiency for searching and sorting playlists

### Program Director — Hamilton CAC

Apr 2018 - Aug 2018

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

Designed logo used on T-shirts and other merchandise using Illustrator, developing brand identity

## projects

### literatura

Jun 2018 - Jan 2019

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

Redesigned the application by conducting user research through one-on-one interviews, and created wireframes, mock-ups and prototypes using Figma and Marvel

### FlexFinder

Jan 2019

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

Created wireframes, mock-ups and prototypes and collaborated 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

### design

User Experience Design

Wireframing

Prototyping

User Research

Usability Testing

### development

Angular

React

HTML/CSS

JavaScript/TypeScript

jQuery

Java

### tools

Figma

Sketch

InVision

Illustrator

Marvel

Git

Android Studio

## education

### University of Waterloo

Candidate for B.ASc in

Systems Design Engineering

Sep 2018 - Present

(Expected 2023)

### Relevant Coursework:

Human Factors in Design, Intro

to Design, Digital Systems,

Intro to Programming (C++)

## interests

Jazz trombone, competitive trivia, reading, public transit