

TIM HE

Systems Design Engineering

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Experience

Full Stack Developer

Imagine Comms. | Jan 2019 - Apr 2019

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

Worked closely with designers, QA, 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

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