

# MATTHEW TSUI

Developer . Designer . Climber . Gamer

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## STUDY

### B. COMPUTERSCIENCE

Software Engineering  
University of Waterloo, 2016<sub>Expected</sub>

#### CS446

Software Architecture & Design

- Designed app icon and developed features for flash card Android app FastCards

### B. BUSINESSADMINISTRATION

Marketing  
Wilfrid Laurier University, 2016<sub>Expected</sub>

#### CS349

User Interfaces

- Created a campus mapping web prototype with yeoman workflow and Google Maps API

## WORK

### PALETTEGEAR

Software Developer, Sep 2015 - Dec 2015

- Designed and implemented website revamp for modern design and analytics
- Shipped PaletteApp 2, a Windows/Mac C++ app, focusing on integration with Adobe software, code architecture, and interface design
- Iterated on UI/UX designs for PaletteApp 2 based on customer feedback of first version, and updated icons for better consistency within app

### IMAGINECOMMUNICATIONS

Application Developer, Jan 2015 - Apr 2015

- Took lead in UI development for a web-based proof-of-concept control panel displayed at the 2015 North American Broadcast Show
- Performed algorithmic and structural refactoring to increase front-end performance on a next-generation automation playout system with Angular and Typescript

### CHRISTIEDIGITAL

Digital Media Support, Jan 2014 - Apr 2014

- Enhanced UI design and functionality of utility for Communitech's HIVE projection setup with intuitive visual cues for control and important data display in Java
- Developed a capture-the-flag mode with 10 new game mechanics in Unity3D for a multiplayer game mapped on three projectors, and updated web-based smartphone controls

## SKILL

**WEB** // angular . jquery . node . typescript . javascript . html . css . less . scss

**DEV** // git . c++ . java . qt . bash . android . c . lua

**APP** // sublime text . illustrator . photoshop . unity3d

## PLAY

**VISUALART** // drawing . digital painting . graphic design

**VIDEOGAMES** // bastion . witcher . antichamber . zelda . portal . wow

**HEALTH&FITNESS** // bouldering . calisthenics