

MATTHEW TSUI

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EDUCATION

Front End Web Developer Nanodegree

Udacity, 2016

Honours B.A. Computer Science, Software Engineering

University of Waterloo, 2016

Honours B.A. Business Administration, Marketing

Lazidiris School of Business and Economics, 2016

PROJECTS

Neighbourhood Map

- Built a single-page Knockout webapp to map 5 searchable climbing gyms
- Used Google Maps API and Uber Rides API to display relevant gym info

Bugs & Baubles

- Developed an HTML5 Frogger clone using Object Oriented JavaScript
- Implemented interactions and animations for health, score, and gem collection

Time Bank

- Iterated and prototyped UX flows, interactions and conceptual models

Upscale Markets

- Devised online grocery system design, architecture and use cases
- Created prototype design and animations with HTML/CSS/Angular Material

Fast Cards

- Analyzed user requirements and collaborated on UX roadmap for Android app
- Designed MVC architecture and app store logo

SKILLS

Designer

Photoshop . Illustrator

InDesign . Pen&Paper

Prototyping . Wireframing

Sketching . User Research

Engineer

JavaScript . Angular

jQuery . HTML5 . CSS3

SCSS . AJAX . npm . gulp

Git . C++ . Java . Qt . bash

Android . Python . Unity

EXPERIENCE

Software Engineer

Palette (Sep 2015 – Dec 2015)

- Shipped a Mac/Windows C++ app integrating Adobe apps to hardware
- Collaborated and iterated on designs for new features based on feedback
- Redesigned and relaunched website for a better mobile experience

Application Developer

Imagine Communications (Jan 2015 – Apr 2015)

- Refactored Angular & LESS single-page web app for modularity and reusability
- Developed UI web concept shown at North American Broadcast show 2015

Game Designer/Developer

Christie Digital (Jan 2014 – Apr 2014)

- Created capture-the-flag mode for a projection-mapped Unity game
- Designed and implemented over 10 new game mechanics and interactions

Web Developer

MyPlanet Fellowship (Jan 2014 – Mar 2014)

- Interviewed and surveyed 8-10 prospective users to frame the problem
- Prototyped a web database application to connect restaurants and suppliers