

EDUCATION

University of Pennsylvania, Computer Science for Software Development, edX Professional Certificate | Sept 2019 - Dec 2019

Notable courses:

- SD1x: Software Development Fundamentals
- SD2x: Data Structures and Software Design
- SD3x: Algorithm Design and Analysis

University of Waterloo, Faculty of Engineering, BAS | Sept 2013 - Aug 2019

- Principal Entrance Scholarship - Academic achievement
- Excellent Standing - 80% or above cumulative average
- Dean's Honours List - Awarded to top 10 students based on term GPA

PROJECTS

Web3D - Interactive 3D Modeling Application on Web Browser | January 2019 - present

Tools used: HTML, CSS, JavaScript, GitHub Pages, three.js Library

- Utilized an open-source JavaScript project that wraps around WebGL components to enable easy-to-access 3D modeling environment on browsers

Robotic Fabrication Workshop, UBC | October 2019

- Participated in the 5 day workshop that produced a free-standing outdoor structure at the main Boulevards of the UBC Campus from scratch
- Got immersed in the digital fabrication process which involved parametric design in Rhino + Grasshopper and 5-axis robotic arm equipped with a CNC router

Waterloo Engineering Competition, Smart City | July 2019

First Place in Consulting Category

- Produced and presented the competition winning proposal with intensive constraint on budget and time
- Devised simple implementation that cause little next to no disruption to existing operation of the University of Waterloo Campus, yet have immediate application and enormous future potentials

Portfolio Website | November 2018 - December 2018

Tools used: Bluehost, WordPress, HTML, CSS, Photoshop

- Created a simple WordPress website hosted on a commercial hosting service
- Customized the theme to suite mobile-friendly layout
- Search Engine Optimization using a WordPress plug-in

Baton, Mobile Application | April 2018 - August 2018

Tools used: Firebase, GitHub, Bubble platform, Google Map API, Google AdSense

- Collaborated in a team of 3 self-taught enthusiasts to develop functioning prototype for on-demand service app
- Designed responsive layout that adapts to various screen sizes
- Utilized Google AdSense to promote the service through paid advertisement

Excellent references available upon request

SKILLS

Programming Languages:

Java, Python, JavaScript, HTML, CSS

Tools

Git, Android Studio, Revit, Rhinoceros, Grasshopper

Design

Illustrator, Photoshop, InDesign, 3D Printing, Lasercutting

Learning

WebGL, Unit testing, Agile methodology, Software Life Cycle, Project Management

ACHIEVEMENTS

Innovation OnBoard

Semi-finalist

Waterloo Engineering Competition

First Place

Samsung x Dezeen Ambient Mode Design Competition

Top 15

Co-op Student of the Year

Nomination

Dean's Honours List

Top 10 GPA in class

Engineer of the Future Fund

Startup funding

International Experience Award // Scholarship

President's Scholarship

Entrance Scholarship