BENNETT OH

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SKILLS SUMMARY

Java: implement Object Oriented Programming principals with efficient algorithms and data structures | 2019 - present
Python: extended architecture software functionalities by developing custom components and plug-ins | 2017 - present
HTML, CSS, JavaScript: web front end design with user experience in mind | 2013, 2017, 2019
Photoshop/Illustrator/InDesign: expert proficiency in producing mockups and wireframing | 2007 - present

EDUCATION

PennX, Computer Science for Software Development, Professional Certificate | September 2019 - December 2019
- Design, develop, and test large software applications using the Java programming language
- Select, apply, and analyze the most appropriate data representations in your code
- Apply object-oriented programming principles in order to develop high-quality software that is easy to read, understand, and modify
- Algorithmic thinking and problem-solving techniques

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

University of Waterloo, Faculty of Engineering, BAS | September 2013 - August 2019
- Principal Entrance Scholarship - Academic achievement
- Excellent Standing - 80% or above cumulative average
- Dean's Honour List - top 10% of the class

PROJECTS & EXPERIENCE

Robotic Fabrication Workshop, UBC | October 2019
Tools used: Python, Grasshopper visual scripting
- Participated in the 5 day workshop that produced a free-standing outdoor structure through computational design
- Learned and immersed myself 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, Consulting | July 2019
Proposed technologies: Computer vision, cloud computing
- 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 themes 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 smoothly transitions between various screen sizes
- Utilized Google Adsense to promote the service through sponsored advertisement

EXPERIENCE & ACHIEVEMENTS

Yuuvis (RedLine) Hackathon, New York	April 2019	Top 10
Samsung x Dezeen Ambient Mode Design Competition	August 2018	Top 15
Nominated for Best Co-op Student of the year	2018	Nomination
University of Waterloo: Dean's Honour List awarded to students with top 10% GPA	2017	Academic Achievement
University of Waterloo: President's Scholarship awarded to students with above 90% GPA	2013	Scholarship

Excellent reference available on request