rowena zhu

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Education

University of Victoria | September 2015 – December 2019 (expected graduation)

• BSc Computer Science, Software Engineering Option

Relevant Courses:

• Algorithms and Data Structures, Computer Networks, Computer Architecture, Database Systems, Human Computer Interaction, Object-Oriented Software Development, Operating Systems, Software Development Methods

Skills

Languages: Assembly, C, C++, CSS, HTML, Java, JavaScript, MySQL, PostgreSQL, PHP, Python, Ruby, R, SQLite, Swift

Frameworks + Technologies: Adobe CC, Bootstrap, Dialogflow, Django, Fetch, Git, Heroku, JIRA, jQuery, React, Ruby on Rails, Spring MVC, SVN, Wireshark, XCode

Concepts: Agile, Domain-Driven Design, FTP, Object-Oriented Design Patterns, SOLID, TCP/UDP

Experience

Open School BC | Programmer Analyst Co-op | May 2018 – August 2018

• Worked in an Agile team to develop a chatbot AI using Dialogflow, JavaScript, PHP, CSS, HTML, SQL

• Designed and developed HTML5 Canvas e-learning animations in Adobe Animate CC, and deployed to test server

• Participated in biweekly Sprint meetings and used ProofHub to track workflow

• Resolved help desk tickets using JIRA and Oracle SQL Developer

Science Venture | Youth STEM Instructor | October 2017 – March 2018

• Created innovative and new curriculum for a youth all-girls coding club "On FriYAY We Code" - an Actua sponsored project to get more young females interested in programming

• Curriculum taught programming knowledge using Arduino, Codepen, HTML/CSS/JavaScript, SQLite, Sphero, Swift Playgrounds, and XCode

• Acted as an instructor and mentor for each session of the club, and worked to create a safe and accessible learning environment

BC Ministry of Citizens' Services | Network Analyst Co-op | May 2017 – August 2017

• Worked on a self-directed project to analyze the quality of wireless networks in BC Government Offices
• Used Cisco Prime Infrastructure to create heat maps of wireless coverage, analyzed dBm, and made recommendations to clients based on existing coverage
• Migrated Microsoft SharePoint list to Microsoft SQL Server database in order to avoid maximum list threshold

Projects

Tofino | https://atom.io/themes/tofino-syntax
• An Atom theme based on the colours of a Tofino skyline

Gucci Snake | https://github.com/roweba/gucci-snake
• A snake AI developed in a team for the programming competition "BattleSnake"
• Written in Python and hosted on Heroku server
• Implemented the A* path-finding algorithm

WhipVic | https://github.com/roweba/WhipVic
• Car-share web application written using Django – Python, HTML, CSS, SQLite
• Managed dependencies using a Python virtual environment

Volunteer

UVic Women in Engineering and Computer Science | September 2016 - present
• Organized and participated in events such as Java review sessions, and coding workshops for middle school students

Ladies Learning Code | January 2017
• Mentored four beginning programmers at a Ruby coding workshop
• Clarified concepts, helped debug code, and answered programming questions

References

References available upon request.