Hanxiao (Erik) Yu

206 Maddock Avenue West, Victoria BC V9A 1G6   hanxiaoyu@uvic.ca   250-885-2570

SUMMARY

- Fourth year computer science student skilled with Unity3D, HTML5, CSS, JavaScript, JQuery, JSON, XML, Git, C#, MySQL, PL/SQL, PostgreSQL, Python, Java, C, Git, NodeJS, Angular, React, Selenium Testing, DBMS, and Assembly language.

- Decent understanding of operating systems (especially Linux), various algorithms, and software development life cycle

- Loyal, motivated, and hard worker with excellent and exceptional communication and team work skills

- Conversational in both English and Mandarin, some basic Japanese

- Experienced basic Agile practices: sprint planning meeting, daily stand-up, and sprint retrospective

- Fast learner, able to work under pressure, and willing to accept challenges

- In-depth knowledge of Java and SQL

EDUCATION

Bachelor of Computer Science   Sept 2016 --- Present

University of Victoria, Victoria, BC

- Fourth year student in the Computer Science Program
  - CSC485D: Learned web development by using Github, TypeScript, CSS, and HTML in NodeJS and Angular 2 frameworks
  - SENG310: Learned UI design principles and prototyping techniques, designed a mobile app with other four teammates
  - CSC305: Learned generating 3D graphics for gaming by 3D unity and C# on Visual Studio
  - SENG265: Built strong knowledge of C and Python programming
  - CSC225 & CSC 226: Learned various computational algorithms and data structures
- Favorite area of study: DBMS and Web development

PROFESSIONAL SKILLS

Web Development

- Built team trust among Agile team members by actively promoting constant interactions, frequent knowledge sharing, and personal responsibility to achieve team goals.
- Worked in remote scrum teams to design, code, debug, test and add new features for a web-based applications called VisualGit with Angular 2 and NodeJS frameworks.
- Designed prototypes, conducted research, and implemented new features of Oracle APEX web-based calendar by using PL/SQL developer tool for BC Ministry of Health.
- Managed creating test scripts and regression testing using Manual and Automated testing tools when working at Ocean Networks Canada.
- Worked in a scrum team of Software Engineers to develop, design, and implement software components for Oceans 2.0 with React framework, aiming at processing and publishing data from Ocean Networks Canada instruments.

UI Design

- Designed a mobile app called Legwork in SENG310 for 3 months with 4 other teammates
- Gained A in SENG310 by making decent mock-ups, prototypes, and excellent knowledge in the field of human computer interaction

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Computer Technologies

- Experienced 3D graphic design and programming in Unity 3D with C# by spending three months creating a procedural terrain in CSC305
- Wrote decent MIPS Assembly Programs and Assembly codes for Intel 4004 Emulator
- Built in-depth knowledge of SQL, C, Java, and Web programming

EXPERIENCE

Software and Database Developer (Co-op)

BC Ministry of Health, Victoria BC   Jan 2020 --- April 2020

- Worked on PL/SQL developer to load data from CSV files obtained from health authorities. Created SQL and PL/SQL scripts for creating new tables, views, queries for new enhancement in application following the CRUD method.
- Develop Oracle APEX based web publishing planning calendar using PL/SQL and JavaScript. Enhance the calendar with new required functionality and correct errors in application when required.
- Collaborated with developers, service manager, and ETL specialists to develop PL/SQL triggers, automate primary key creation, and provide code documentation for Health Indicators.
- Analyzed workplace blogging options for the whole DMS (Data Management & Stewardship) team, presenting my solution to all the team leads. Conducted a half hour Co-Op final presentation to the executive director and directors of DMS.

Junior Software Test Engineer (Co-op)

Ocean Networks Canada, Victoria BC   Sept 2019 --- Dec 2019

- Involved in design and development of automation Framework, maintaining regression tests using Java, Selenium WebDriver, and JUnit/TestNG.
- Identified, documented and reported bugs, errors, and other issues within ONC's web-based applications, database, and web services.
- Worked collaboratively with QA, development, and business groups to complete automated testing on releasing new features of Oceans 2.0.
- Involved in database testing by passing SQL queries and retrieving information from the database (pgAdmin 4)

PROJECT HIGHLIGHTS

Intel 4004 Emulator: Created Intel 4004 Emulator as a final project in CSC350 for two months in a group of four. Used C and assembly language to code and write demo programs. Achieved grade of A for this project.
Github: https://github.com/sinoyuhanxiao/Intel-4004-Emulator-Project

VisualGit: Worked in a remote Agile development in a team of five to add advanced functions and solve bugs for the VisualGit application. Used Typescript, HTML, CSS, and NodeJS to achieve team goals.
Github: https://github.com/uvicgse/project-virtual-team-2

PERSONAL INTERESTS

- Volunteer work, Playing flute, Playing basketball, Table Tennis, Badminton, Singing, Musical Theatre Actor, and Cooking