JENNY LAM
Bachelor of Science | Major in Computer Science
jennylam7@hotmail.com | (778)-888-9108

TECHNICAL SKILLS

Programming:	Java, C/C++, HTML, CSS, Python, JavaScript
Applications:	Adobe Photoshop, Adobe Lightroom
Database:	MySQL, MongoDB
Tools/Framework:	Eclipse, Android Studio, Appium, IntelliJ, Unity, Qt, GitHub, Microsoft Visual Studio, Bootstrap, PSoC Creator, Heroku, SQL Server Management Studio

---

WORK EXPERIENCE

Software Developer – picoTera Electronics Inc.   *July 2017 – Aug 2018*
- Implemented and tested new services written in C for a microcontroller firmware including dynamic noise cancellation, audio streaming, Push to Talk functions etc.
- Achieved the configuration of interfacing the microcontroller with an external I2S audio codec to play and process audio packets
- Maintained and developed new features for the customer user Android application that communicates with the microcontroller through Bluetooth Low Energy
- Reformatted the firmware code into independent modules to ensure a faster debugging process and better maintainability

Teaching Assistant – The University of British Columbia   *Sept 2016 – April 2017*
- Teaching Assistant for CPSC 304 (an introduction course on relational database) and for CPSC 121 (models of computation)
- Prepared and facilitated tutorial sessions every week
- Held weekly office hours to provide one-on-one assistance for students
- Graded weekly assignments and provided helpful comments and criticism
- Coached students through each development phases of their final project

Junior Programmer – Nippon Telegraph and Telephone Corp   *Sept 2015 – Dec 2015*
- Development of a GUI simulator application with C++ for evaluation and demonstration of communication network resource control algorithms
- Implemented graphs, charts and a map demonstrating data transmissions between antennas and users that updates in real-time
- Researched and presented a more efficient approach in developing the program in which was approved by my supervisor
- Pooled in ideas to improve the GUI simulator after accomplishing the basic structure
- Presented my project to the whole department in which I received positive feedback

Junior Programmer – Jomar Softcorp International   *May 2015 – Aug 2015*
- Participated in the development of a report subsystem using Microsoft Report Services for the new JOMAR Insurance Package
- Produced and deployed such reports on the client's site which is now in production
- Written SQL views and queries to extract specific, accurate data for each unique report

Quality Assurance Engineer – Visier   *Sept 2014 – April 2015*
       -Regression Testing to ensure company products contain no errors and are ready for deployment
       -Kept track of bugs and verified bugs to pinpoint issues for debugging
       -Developed test strategies with product developers to create testing plans for new product features
       -Implement automation tests for the company's mobile app using Appium framework

PROJECTS

3D Sci-Fi Tech Demo   *Sept 2018*
       -Developed and deployed a 3D first person controller game in a sci-fi setting with Unity
       -Integrated first person player perspective by implementing camera movement with the mouse and using a navigational mesh to limit player movements
       -Added a first person shooting feature using Raycasting and particle effects

2D Galaxy Shooter Game   *Sept 2018*
       -Developed and deployed a 2D galaxy shooter game with Unity
       -Wrote game logic in C# including scripts for enemy AI behaviour, player movements, receiving user inputs, power-ups, high score system etc.
       -Created a commercial quality product by adding animations, sound effects, and background music into the game.

Collaborative Comic Book Web Application   *Jan 2016 – March 2016*
       -Developed and deployed a full stack comic book application on a web platform for the creation and visualization of comic strips
       -Utilized Express.js as the server web application framework for Node.js
       -Prototyped the application and utilized Bootstrap customization to ensure a user-friendly and stylish interface

Database Application   *June 2014*
       -Built a full database application for keeping records of patient's medical information
       -Used Java Database Connectivity to access relational database from Eclipse
       -Created two GUIs for patients and nurses in which the database can be updated

EDUCATION

University of British Columbia (Vancouver)   *Graduation: May 2017*
       Bachelor of Science – Computer Science Major

HOBBIES/INTERESTS

-Attended Vanquish Collision Hackathon, Vancouver Global Game Jam, HTML500, Ruby On Rails boot camp and a VR development workshop
-Was a committee member of the UBC Science Undergraduate Society
-Enjoy photography, drawing, film making and video editing