

Manveer Bhangu

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EDUCATION

British Columbia Institute of Technology

Burnaby, BC

Diploma in Computer Systems Technology

Jan 2015 – Dec 2016

- Graduated with distinction
- Specialization in database
- Awarded Computer Systems Award in Database

SKILLS

Programming Languages: Java, C, C#, C++, HTML5, CSS3, PHP, JavaScript, JQuery, AJAX, Git/GitHub

Frameworks: ASP .NET MVC 5, CodeIgniter, Bootstrap, WordPress

Databases: Oracle SQL, MySQL, MongoDB, Hive

EXPERIENCE

Vancouver Society of Children's Centre

Vancouver, BC

Web Developer

BCIT Industry Sponsored Student Projects (ISSP)

Jan 2016 – May 2016

- Worked in a team of 3 to create a WordPress site for a non-technical staff to update in the future.
- Created general page layout with custom HTML and CSS.
- Integrated a visual interactive map function to show all 14+ locations.

Spur Innovation Corp.

Vancouver, BC

Software Developer

BCIT Industry Sponsored Student Projects (ISSP)

June 2016 – Aug 2016

- Developed a custom bootloader for a dsPIC33E microcontroller in embedded C.
- Partitioned the memory to allow the bootloader and the actual firmware file to reside on the chip at the same time.
- Ensured that the bootloader could not be overwritten when a new update is flashed on.
- Developed a simple Android app that would push the new firmware to the microcontroller and flash the data.

PROJECTS

Circle Absorber

Ongoing

- Developed for the original Pebble smartwatch.
- A game where you control an orb and guide it to points by using the built-in accelerometer.
- **Technologies used:** CloudPebble, Pebble C SDK V4.

Bloggerz

Ongoing

- A custom PHP based content management system (CMS) that would allow someone to create a blog without any coding experience.
- Includes registration/login system with an admin role, a full commenting system, and a custom search engine.
- **Technologies used:** HTML, CSS, PHP, MySQL, PhpMyAdmin, Bootstrap.

Video Town

Completed Dec 2016

- A movie rental web application that allows users to register and check out movies.
- Incorporates made up business rules and has unique roles such as customer or admin.
- Created API's to separate out client side from server side.
- **Technologies used:** HTML, CSS, SQL, C#, ASP .NET MVC 5, Entity Framework, Web API Framework, Bootstrap.

Skippy's Gold

Completed May 2014

- Worked with a team of 4 to create a puzzle based maze game for Android phones.
- Used SCRUM to help keep us on track and participated in weekly sprints and discussions.
- Developed the pathing algorithm for how the path is generated.
- **Technologies used:** C#, Unity3D Engine.

*** All projects viewable at <http://manu553.github.io/> ***