Chan Brian King Hei

bobr89.github.io • bkhchan@uwaterloo.ca

linkedin.com/in/brian-king-hei-chan • github.com/bobr89

EDUCATION

COMPUTER ENGINEERING
University of Waterloo
Expected 2020
Waterloo, ON

PROGRAMMING

LANGUAGES

- C++

- HTML5

- CSS3

- JavaScript: jQuery

- Java

- Python

- Perl

TOOLS

- Git

- Bash

- Linux / Unix

- PuTTY / SSH

- Sublime Text

- IBM's NetInsight

EXPERIENCE

Web Statistics Specialist, Web Development | AAFC
Jan 2016 – Apr 2016 | Ottawa, ON

- Designed and built **Statistic Database** in **C++** to store dimensions and metrics of IBM's NetInsight reports.
  - Optimized daily work efficiency and simplifying the process of generating reports.
  - Database contain **user friendly menu** to facilitate the work of future coop students.
  - Obtain **full satisfaction** from supervisor.

- Built an **Analysis Algorithm** in **C++** in a project comparing data sets between **3 web profiles**.
  - Analysis **1500 URLs** between web profiles in seconds.
  - Provide insight within data set as the program calculate. **central tendency,** including **Standard Deviation** and **Average Absolute Deviation**.
  - Accelerate progress of project in the team.

- Assist clients' to interpret report content and web pages structure.
- Validate all daily updates of **60 web server**.
- Achieved **Outstanding overall performance** rating which is reserved for **only few students** who distinguished themselves by **unique contribution** or **exceptional performance**.

Math Tutor, Math Department | Langstaff Secondary School
Sep 2014 – Jun 2015 | Toronto, ON

- Tutored **10+ students** weekly.
- Assist **all grade** students to understand complex Math concepts.
- Provide suggestions on **alternate method to problems**.

PROJECTS

Movies' Here | Web Based Application

- Applied **HTML / CSS** in constructing **responsive** web pages, with jQuery for visual effects.

Statistic Report Database | C++ Application

- **Object oriented** design database.
- **User friendly** design menu assist future coop students in AAFC.

Statistic Analysis Algorithm | C++ Application

- **Dynamically** read and analysis **1500 URLs in 3 web server** in **seconds**.
- Speed up process in project of transferring data between web profiles.

Pong Game | Classic Arcade Game

- Written in **Javascript** on **HTML5 Canvas**.