

Roy Xia

Software Engineer



(647) 868-6124



xia_roy@hotmail.com



xiaroy



xiaroy



xiaroy.github.io

Skills

- Proficient Languages: **Java, C++, C,**
- Familiar Languages: **JavaScript, jQuery, Python, XML**
- Proficient In: **CSS, HTML5, JSON, Bootstrap**
- Solid understanding of database principles and proficient in **SQL, Mongo-DB, MySQL**
- Solid understanding of **OOP** and the **SCRUM Agile Software Development Cycle**
- Developing Platforms and Team Server tools: **Visual Studio Professional, Eclipse, Notepad++, TFS, Git**

Projects

- Personal Website (<https://github.com/xiaroy/xiaroy.github.io>) Feb. 2018 – Present
- Create a cross platform friendly website using **HTML5, CSS, and JavaScript**
 - Responsive design, website layout, and visuals using fundamental design principles
- Quests of the Round Table (<https://github.com/xiaroy/Quests-of-the-Round-Table>) Jan. 2018 – Apr. 2018
- Implement the card game “Quests of the Round Table” using **Java; C++** version available
 - Implement a web server to run the game online using **HTML5, CSS, and Spring MVC**
 - **OOP** principles, design patterns, and clear game logic
- Web Database Login System (<https://github.com/xiaroy/Web-Login>) May 2017 – Jun. 2017
- Implement a simple **HTML5** web password login system that connects to a **MySQL** database using **JavaScript**
 - Establishing connections between an html app and a database, data saving and modifications

Work Experience

- Teaching Assistant, Carleton University Sept. 2017 – Dec. 2017
- Assist in teaching core OOP programming principles and various design patterns
- Three Flavors Summer Camp, Richmond Hill, Ontario Sept. 2014 – Sept. 2015
- Reinforce leadership skills by leading a group of different minded individuals
 - Enhance team management and problem-solving skills within a real time environment

Volunteer Experience

- Mackenzie Health Hospital Jul. 2014 – Sept. 2014
- Data input via Excel spreadsheets, and hospital guide
- Alpine High Autism Centre Jan. 2013 – Apr. 2013
- Worked in a highly effective team environment with children of varying levels of autism

Education

- Carleton University, Class of 2019 Sept. 2015 – Present
- Candidate, CS Software Engineering Stream B.C.S. (Honours)