

## **JiaYin, Chen**

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### **Languages**

English, French, Mandarin

### **Education**

Student Exchange: Computer Science

*Spring 2017*

École Polytechnique Fédérale de Lausanne (EPFL), Lausanne, Switzerland

Bachelor of Science: Major Computer Science, Minor Economics

*2015- present*

McGill University, Montreal, Canada

### **Related Projects**

#### **Comic Database Interface**

*EPFL Spring Semester 2017*

- Planned and designed the Entity-Relationship Diagram
- Cleaned the CSV files using Python, created new tables, imported cleaned data into Oracle
- Created an interface using PHP and wrote predefined queries using MySQL.

#### **Interactive Board Game using Processing**

*EPFL Spring Semester 2017*

- Used image processing, augmented reality and 3D printing to create an interactive board game that consists of tilting a lego board in front of the camera to move the virtual ball to hit obstacles to collect points.
- Implemented blob detection function

#### **Upgraded Snake game using Javascript**

*McHacks Hackathon 2017*

- Made use of closures in snake, body, food and skin objects to access and store data
- Created a draw function that updates the snake's head and body position on the canvas
- Created alert messages that appear on the screen for a short amount of time
- Created skin objects that are shed from the snake that will become obstacles and immovable

#### **Parser, Evaluator for a WML inspired language using Javascript**

*Fall Semester 2016*

- Created a parser function that take in a string and store the tokens in a tree-like object
- Created an evaluator function that take in the root node of a tree like object and evaluate in its environment
- Implemented closure in function and hierarchy using WML template definition

#### **Web based LinkedIn mini system project**

*Winter Semester 2016*

- Worked as part of a team in coding a small networking system website that requires to login
- Designed the front-end of the pages using HTML and CSS
- Coded the back-end to store and retrieve users' information using C and Python

### **Extracurricular and Volunteering Activities**

#### **Executive of McGill Women in Computer Science**

McWiCS, Montreal, QC

*Fall 2016 - present*

- Contacted sponsors and speakers for our future events
- Cooperated with teammates to plan kickoff event and workshops
- Interviewed students in Computer Science to share with the rest of the community

### **Technical Skills**

- Languages: Java, Python, C, Javascript, C#, C++, CSS, HTML, SQL
- Applications: Android Studio, Blender, Photoshop, Microsoft Word, Excel