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Shiyu Luo

Technical SKILLS

Languages: Python, Java, JavaScript, HTML5, PHP, CSS, SQL, C++
Tools: AWS, Ubuntu, MySQL, GitHub, Google Analytics, Power BI

EDUCATION

B.A.Sc. Computer Science (Economics Minor)   Expected completion in Apr 2019

McMaster University, Hamilton, ON
- Currently in level five of a five-year co-op program with a GPA of 3.8
- Awarded with a scholarship from the Createch School for outstanding academic performance

RELEVANT PROJECTS

Smart Parking (https://luos.comp4ww3.com/)   Sept 2018 - Nov 2018
- Using **HTML5, JavaScript, CSS,** and **PHP**, built a dynamic web parking applications hosted on **Amazon EC2**.
- Users can register, log in, search for parking spots, and submit parking spots/parking reviews.

YouEye (https://devpost.com/software/youeye)   Oct 2016
- In a team of three at Hack the North, built a smart camera device offering descriptive visual service to guide the visually impaired using **Java**, **Arduino,** and **Google Visualization API**

City-Finder (https://github.com/ShiyuL/City-Finder)   Jan 2016 – Apr 2016
- In a Scrum team, worked on the back-end in **Java**, used **JUnit testing** and wrote requirements and design specification documents for a web application that provides living quality ratings for cities in Canada.

WORK EXPERIENCES

Programming Outreach Instructor (McMaster University, Hamilton, ON)   Apr 2016 – Present
- Taught introductory computer science concepts to over **600** elementary and middle school students

Software Developer Intern (McAfee (formally Intel Security), Waterloo, ON)   May 2017 – Aug 2018
- Used **Python** to develop and maintain high-quality code in the **Django** web framework to shorten the time spent on automation testing, automation reporting, and analyzing automation results
- Developed online, auto-refreshing dashboards using **Power BI** to report automation trends to management
- Managed and maintained internal **Jenkins** server for continuous integration and testing
- Won **second place** out of 13 teams in the company hackathon by building a comment analysis tool using machine learning models Random Forest, Decision Tree, and Linear SVC in a **Python** library

Software Tester Summer Intern (OACCAC, Toronto, ON)   May – Aug 2016
- Used recognized industry protocols and tools to test the OACCAC website to identify and analyze **300** defects

PROFESSIONAL DEVELOPMENT EXPERIENCES

Hackathon Co-Director (McMaster University, Hamilton, ON)   Sept 2016 – Apr 2017
- Planned, managed, and executed McMaster's hackathon for change with an attendance of **500** which helped build a stronger student technology community on campus

Microsoft Student Partners (McMaster University, Hamilton, ON)   Sept 2016 – Apr 2017
- Collaborated with other Microsoft Student Partners to plan and run technological events on campus with the resources and expertise support from Microsoft