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ZICHEN JIANG

PROFESSIONAL SKILLS

Experienced with: **HTML5 & CSS, JavaScript, Git, Java, AngularJS**
Familiar with: **SQL, Linux, PHP, Python, Haskell**

EDUCATION

McMaster University 2013 – present

- Completing the third year of **Computer Science** Co-op program with GPA of 3.7

PROFESSIONAL EXPERIENCE

Teaching Assistant, McMaster University; Hamilton Sept 2015 - present

- Assisted a course on Haskell to implement and visualize basic computing concepts
- Guided and assisted students to solve problems in Haskell during tutorials
- Improved considerable amount of students' first year programming experiences through various analogies of difficult concepts

Web Developer – **Co-op**, AgentFlux; Markham May - Aug 2014

- Created a web application in a team of seven people, using **JavaScript, HTML**, and **CSS**
- Created APIs based on **PHP** and **MySQL** (Zend Framework)
- Worked closely with consultants and created a user-friendly, professional UI that appeals to clients
- Designed and implemented a data presenting method that reduces server load, saves server storage, and enhanced data security

PERSONAL PROJECT

CentraCare Nov 2015

- Third place in the Family Caregiver Challenge Set in DementiaHack Toronto 2015
- Created a web application (with **MEAN** stack) for caregivers to get familiar with patients preceding their acquaintance
- Adopted and learnt **AngularJS** on the spot, which resulted in a smooth browsing experience
- Devised modules to generate and parse different types of questions, which facilitated questionnaire expansion

Gloss Gallery Jan 2015

- Web gallery developed as a platform for students to exhibit their skills gained through CS1JC3: Introduction to Computational Thinking
- Implemented customized framework in **JavaScript** and followed MVC architectural pattern

EXTRACURRICULAR INVOLVEMENT

Head of Logistics, HackitMac – University Club Oct 2014 - present

- Participated in building a tech community that provides opportunities for students to learn technologies and to solve real world problems
- Kept track of hackathon planning progress, organized weekly meetings, and assigned tasks to team members
- Organized one-on-one reviews with teammates that evaluated individual performance and personal growth

Volunteer, McMaster Arts for Children - University Club Sept 2014 - present

- Participated in after school program to host crafting and art activities for elementary school students
- Hosted a self-created activity on the spot when team leader misplaced the outline, which was adored by the students
- Developed various techniques to encourage, soothe, and motivate students; e.g. promising to make a drawing of anything they want if they completed assigned tasks