

# Charles Wu

3B Systems Design Engineering, University of Waterloo  
Richmond Hill, ON, Canada | 1-226-789-8768  
charlie.wu@uwaterloo.ca | [charleswu.ca](http://charleswu.ca)

## PROFESSIONAL/TECHNICAL SKILLS

---

- Expertise in user and interface design for web and mobile applications by using intuitive workflows, storyboards, and prototypes
- Direct experience with stakeholders in defining product scope, business model, customer requirements, and features
- High level of proficiency with Adobe Creative Suite products and integrating created content to mobile and web applications
- Programming: Objective C (iOS), Java (Android), C++, HTML5, CSS3, JavaScript, Python

## WORK EXPERIENCE

---

### User Experience Developer

Intelligent Mechatronics Systems | Waterloo, ON | Sept – Dec 2013



- Researched and performed use-case analyses to improve the DriveSync Android App
- Designed, improved, and developed Android fragments and layouts
- Created and integrated Adobe Photoshop and Premiere Pro visuals into the project

### iOS Mobile Developer

Ash City Worldwide | Richmond Hill, ON | Jan – Apr 2013



- Planned and managed the development lifecycle, conducting user research, and ensuring the app followed best practices
- Worked with clients to optimize user interface, using tools like Photoshop and Illustrator
- Independently developed the Ash City iOS app with login and RESTful capabilities

### Web Content Developer

Raymond James Ltd. | Toronto, ON | May – Aug 2012



- Redesigned company intranet site using HTML5, CSS3, JS, Photoshop and Flash
- Created content for the public company webpage, impacting hundreds of daily users
- Directly worked with multiple advisors and stakeholders to ensure satisfaction
- Collaborated with marketing department in weekly meetings

### Business Special Project Assistant

York Region Municipality | Newmarket, ON | Sept – Dec 2011



- Developed a user feedback system for implementation in senior assistance centres using MS SharePoint
- Worked with clients to develop user requirements; presented regular demos
- Improved bureaucratic workflows through redesigning and simplifying complex data

## Quality Assurance Analyst

RamSoft Inc. | Toronto, ON | Jan – Apr 2011



- Developed, updated and executed QA tests (test cases and formal reports) to maintain standards for medical software
- Updated servers which involved creating and editing database scripts in SQL

## VOLUNTEER/STUDENT ORGANIZATION EXPERIENCE

---

### Engineering Society – University of Waterloo

*Sept 2010 – Present*

- EngSoc representative for the SYDE 2015 class, promoting engineering society events
- Orientation week leader, first-year website director for the past two years

### Co-op Storage – Graphics Designer

*Jan 2014 - Present*

- Created visuals for a start-up specializing in improving co-op students' quality of life

### BufferBox – Student UI Design & Team Lead

*Jan 2012 – Apr 2012*

- Created corporate website with HTML, CSS, JS
- Communicated with co-founder on a regular basis to ensure project progress
- Organized and held weekly team meetings to organize tasks and brainstorming sessions for clients

### UW Dimensions – Graphics Designer

*Jan 2012 – Present*

- Created and designed pages for student magazine in Photoshop and Illustrator

## EDUCATION

---

**Candidate for Bachelor of Applied Science, Honours Systems Design Engineering Co-op,**  
University of Waterloo, Waterloo, ON.

*Sept 2010 – Present*

### Relevant Projects:

- Creating a gesture based human-computer interface for transferring data
- Developed an iOS fitness tracking app and an Android study tool
- Designed and built an ergonomic book-holder for students

### Relevant Courses:

- Design: Human Factors in Design; Economics of Design; Design, Systems and Society
- Technical: Systems Models; Data Structures and Algorithms; Digital Systems

## ACHIEVEMENTS AND INTERESTS

---

- RCM Piano Certificate - Level 9
- I love to design visual interfaces, combining art with technology!
- Recreation: Strength Training, Volleyball, Soccer, Ultimate Frisbee