

Charles Wu

3B Systems Design Engineering, University of Waterloo
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PROFESSIONAL SKILLS

- Expertise in rapid development cycles with a focus on full-stack development
- Experienced in user and interface design for web and mobile applications by using intuitive workflows and user-centered design principles
- Strong product managements skills, strengthened through work and side projects
- Skilled in creating workflows, storyboards, and prototypes of ranging fidelity
- Motivated self-starter, rapid learner, and problem solver with a passion for technology

TECHNICAL SKILLS

- Web development: HTML5, CSS3, JavaScript, Python, PHP
- Programming languages: Objective C (iOS), Java (Android), C++
- High level of proficiency with Adobe Creative Suite products and integrating created content to mobile and web applications
- Previous side projects include an iOS fitness tracking app and an Android study tool

WORK EXPERIENCE

User Experience Designer Intelligent Mechatronics Systems, Waterloo, ON *Sept – Dec 2013*

- Designed, improved, and developed Android fragments and layouts
- Researched and performed use-case analyses to improve the DriveSync Android App
- Utilized Agile development methodologies and completed tasks in short deadlines

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
- Independently developed the Ash City iOS app with login and RESTful capabilities
- Worked with clients to optimize user interface, using tools like Photoshop and Illustrator

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 by 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, director, and supervisor 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 (superseded)
- 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 Courses: Data Structures and Algorithms; Systems Models; Digital Systems; Probability and Statistics; Materials Science; Fluid Mechanics; Mechanics of Deformable Solids; Human Factors in Design; Economics of Design; Design, Systems and Society

ACHIEVEMENTS AND INTERESTS

- RCM Piano Certificate - Level 9
- I love to design visual interfaces, combining art with technology!
- Sports: Volleyball, Soccer, Ultimate Frisbee, League of Legends