Charles Wu

Systems Design Engineering, University of Waterloo
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SUMMARY

- Expertise in interface design and development for front-end web and mobile applications using user-centred design principles
- Direct experience with stakeholders in defining product scope, customer requirements, features, and validating work through user-testing
- High level of proficiency with Adobe Creative Suite products and incorporating data visualization to web and mobile applications
- Programming: Objective C, Java, C++, HTML, CSS3, JavaScript, Python

WORK EXPERIENCE

Designer
Intelligent Mechatronics Systems | New York City, NY | Jun – Aug 2014
- Developed visual layouts, storyboards, low to high fidelity prototypes, and interactive demos using FramerJS
- Translated client business requirements, user needs, and technical capabilities into results focused on the use of data visualization and user 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 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

RamSoft
RIS PACS Teleradiology

- 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

Freelance Photography   *Sep 2014 – Present*

Engineering Society – University of Waterloo

- 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 – May 2014*

- 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 – Jan 2014*

- 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:

- Created a gesture based human-computer interface for transferring data
- Developed an iOS fitness tracking app and an Android study tool
- Created and published an independent Android study tool

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, Biking, Volleyball, Soccer, Ultimate Frisbee, Piano, Guitar