

Charles Wu

Honors Systems Design Engineering

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Objective

To build and create elegant interfaces in order to optimize products, with a focus in data visualization and perfecting user experience.

Experience

Designer McKinsey Digital

McKinsey&Company

Summer 2014, New York City, NY

- 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

UX Designer Intelligent Mechatronics Systems



Fall 2013, Waterloo, ON

- Researched and performed user case analyses to improve the DriveSync Android App for all customers
- Designed, improved, and developed Android fragments and layouts
- Created and integrated Adobe Photoshop and Premiere Pro elements into the project

iOS Mobile Developer Ash City Worldwide



Winter 2013, Richmond Hill, ON

- Independently developed the iOS Ash City App
- Worked with clients to optimize user interface, designed with Photoshop and Illustrator
- Planned and managed the development lifecycle, conducting user research and enforcing best practices

Web Content Developer Raymond James Ltd.

RAYMOND JAMES

Summer 2012, Toronto, ON

- Redesigned the intranet site using HTML5, CSS3, JS, Photoshop and Flash
- Created and updated content for the public Raymond James webpage, impacting hundreds of daily users
- Worked with multiple advisors directly and ensured they were satisfied with projects

Business Project Assistant York Region Municipality



Fall 2011, Newmarket, ON

- Developed an intuitive user feedback system that was implemented in senior assistance centres
- Improved bureaucratic workflows through redesign and simplifying complex information

Skills

User Research	<div><div></div><div></div><div></div><div></div><div></div></div>
Illustrator	<div><div></div><div></div><div></div><div></div><div></div></div>
Photoshop	<div><div></div><div></div><div></div><div></div><div></div></div>
Objective-C	<div><div></div><div></div><div></div><div></div><div></div></div>
Java	<div><div></div><div></div><div></div><div></div><div></div></div>
HTML/CSS	<div><div></div><div></div><div></div><div></div><div></div></div>
Javascript	<div><div></div><div></div><div></div><div></div><div></div></div>

Education

Candidate for Bachelor of Applied Science, Honours Systems Design Engineering Co-op, 2015 (Expected)

University of Waterloo, Waterloo, ON.

Relevant Projects and Courses:

- Developed a fitness tracker app that processed data from a sensor
- Technical: Cognitive Ergonomics, Human Factors in Design, Systems Models

Activities and Interests

Projects

- Created device to wirelessly transfer data files via gestures
- Created and published an independent Android study tool
- Freelance Photography

Volunteer

- EngSoc Class Rep for Systems Design 2015 (2010 - Present)
- Orientation Leader - Big, Huge, Media, First Year Website Director (2012 - 2014)

Student Organizations

- Co-op Storage - Graphic Designer (2014)
- BufferBox - Student Designer, Team Lead (2012)

Recreation

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