

# 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

Jun - Aug 2014, New York City, NY

- Developed visual layouts and interactive demos, involving storyboards, low to high fidelity prototypes, and FramerJS
- Translated client business requirements, user needs, and technical capabilities into results focused on the use of data visualization and user experience

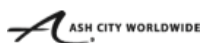
### UX Designer Intelligent Mechatronics Systems



Sep - Dec 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



Jan - Apr 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

May - Aug 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



Sept - Dec 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>

## Projects

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

## 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

### 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 - Design, Team Lead (2012)

### Recreation

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