

# Charles Wu

Systems Design Engineering, Management Science Option

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## Objective

I aim to solve interaction problems using simple, effective methods. I'm obsessed with new technologies and love working with them.

## Experience

### UI Designer

McKinsey Digital New York City, NY

Jun–Aug 2014

- Developed customer requirements, defining and creating objectives, data-driven designs, and interactive prototypes
- Designed wireframes, storyboards, and high level designs for several Fortune 500 companies

### UX/Android Developer

Intelligent Mechatronics Systems Waterloo, ON

Sep–Dec 2013

- Conducted research and user-needs analyses to redesign the app to increase overall customer experience
- Analyzed and improved Android codebase, decreasing load time by approximately 50%

### iOS Mobile Developer

Ash City Worldwide Richmond Hill, ON

Jan–Apr 2013

- Managed product development lifecycle, prototyping, development, and testing of company app
- Testing of customer application
- Developed and published the iOS App independently

### Web Content Developer

Raymond James Ltd. Toronto, ON

May–Aug 2012

- Worked and consulted with several senior level advisors to create custom websites
- Redesigned the employee Intranet site using HTML5, CSS3, JS, Photoshop, and Flash
- Created and updated content for the Raymond James home page, impacting hundreds of daily users

### Business Project Assistant

York Municipality Newmarket, ON

Sep–Dec 2011

- Developed a new user feedback system that was implemented in several senior assistance centres
- Improved bureaucratic workflows by introducing digital formats and improving user experience

## Skills

**Proficient:** User Research, Problem Analysis, Prototyping (Ai, Ps)

**Experienced:** Consulting, Objective C, HTML/CSS, Javascript,

**Familiar:** Machine Learning, SQL, Python

## Education

**Bachelor of Applied Science in Systems Design Engineering, Management Science Option (Graduating April 2015)**

University of Waterloo, Waterloo, ON.

Relevant Courses: Cognitive Ergonomics, Human Factors, Engineering Design, Data Structures & Algorithms

## Activities and Interests

### Projects

- Working on citizen science and gamification project to increase efficiency of visual classification tasks
- Created device to wirelessly transfer data files via gestures
- Developed and published an Android study tool
- Developed a fitness tracking app to process sensor data
- Freelance Photography

### Volunteer

- EngSoc Class Rep for Systems Design 2015 (2010 - Present)
- Orientation Leader and Director (2012 - 2014)

### Student Organizations

- Co-op Storage - Co-Founder & Designer (2014)
- BufferBox - Student Designer and Team Lead (2012)

### Recreation

Biking, Frisbee, Volleyball, Soccer, Piano, Guitar, Cinema, Short walks on the beach