Charles Wu

Systems Design Engineering, Management Science Option

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Objective

To build and create elegant interfaces in order to optimize products, User Research focusing on data visualization and perfecting user experience.

Experience

Designer McKinsey Digital

Summer 2014, New York City, NY

- Developed visual layouts, storyboards, low to high fidelity prototypes, and interactive demos using FramerJS
- Translated client requirements and completed user needs analysis to create meaningful results

UX/Developer Intelligent Mechatronics Systems

Fall 2013, Waterloo, ON

- Researched and performed user case analyses to improve the app for all customers
- Designed, improved, and developed Android fragments and layouts, decreasing load time by 50%
- Created and integrated modern visual elements into the project

iOS Mobile Developer Ash City Worldwide

Winter 2013, Richmond Hill, ON

- Planned and managed the development lifecycle, conducting user research while enforcing best practices
- Worked with clients to optimize user interface
- Developed the iOS Ash City App independently

Web Content Developer Raymond James Ltd.

Summer 2012, Toronto, ON

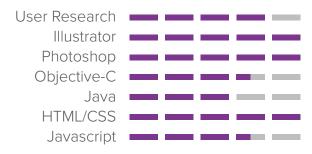
- Created and updated content for the public Raymond James webpage, impacting hundreds of daily users
- Redesigned the employee Intranet site using HTML5, CSS3, JS, Photoshop and Flash
- Worked with multiple advisors on creating personalized websites

Business Project Assistant York Municipality

Fall 2011, Newmarket, ON

- Developed an intuitive user feedback system that was implemented in several senior assistance centres
- Improved bureaucratic workflows by introducing digital technologies and improving user experience

Skills



Education

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

University of Waterloo, Waterloo, ON. Relevant Courses: Cognitive Ergonomics, Human Factors, Engineering Design

Activities and Interests

Projects

- Created device to wirelessly transfer data files via gestures
- Developed and published an independent 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, Graphic Designer (2014)
- BufferBox Student Designer, Team Lead (2012)

Recreation

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