

# Wendy Jingyi Liu

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## Highlights

Computer Science new graduate passionate about creating user-centered designs. Experience working on an industry project as a full-stack developer in an interdisciplinary team to develop a location-based Android application for Microsoft Vancouver.

## Spoken Languages

Japanese, Mandarin Chinese, German (Basic), English

## Technical Skills

Git, Java, SQL, C#, C, C++, HTML, CSS, JavaScript

## Technical Experience

### **Software Development Intern | Centre for Digital Media | January 2017 – April 2017**

- Interfaced with clients Microsoft Vancouver and Burrard Arts Foundation to understand client needs.
- Worked in an interdisciplinary six-person team as a full-stack Android developer to implement new features using C# and JavaScript in an Agile environment.
- Integrated and maintained databases with the application and its web interface to enable data access and storage.
- Collaborated heavily with designers and artists using Zeplin to transform the existing user interface.
- Created scripts that automated JSON processing to speed up development.
- Designed, coded and debugged software solutions that can easily be scaled depending on client needs.
- Participated in user research to transform client needs into proposed application designs.

### **Redesign Degree Navigator | University of British Columbia | September – December 2016**

- Led four UX students to redesign UBC's degree audit system with a user-centered approach.
- Carried out user research to identify user need, use cases and design problems in the existing interface.
- Created conceptual models to communicate high-level overviews of the design, and tested them against user mental model formation.
- Designed medium-fidelity prototypes using Axure and evaluated them through usability tests.

### **map-game Project | Technische Universität Darmstadt | April – July 2016**

- Created a location-based "capture the flag" web app in JavaScript with four developers using OpenStreetMap.
- Generated markers at points of interests in the user's city using Overpass API.
- Worked extensively in Bash, using Git, Bower, and Gulp.

## Education

### **B. Sc. in Computer Science and Biology | 2011 – Present | University of British Columbia**

- Anticipated graduation in May 2017.
- Related coursework: Human Computer Interaction, Advanced Relational Databases, Functional and Logic Programming, Algorithm Design and Analysis, Internet Computing

## Volunteer

### **International Service Learning | ASVO Costa Rica | February 2012**

Promoted self-sustainability in a remote Costa Rican community, to reduce poaching of sea turtle eggs.