Ziying Zhang

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Skills

- **Web development** – HTML5, CSS3, Javascript, jQuery, Bootstrap
- **Object-oriented programming** – C++, Java (Android)
- **Design** – Photoshop, various wireframing tools

Work and Project Experience

Email Production Coordinator
Indigo Books and Music Inc. **Jan. 2014 – Apr. 2014**

- Developed integrated, dynamic, and responsive marketing HTML/CSS content, collaborating with designers
- Developed a dynamic CSS-allocation framework on Responsys Interact API to minimize repetition of code
- Managed and further developed designer assets using Photoshop
- Created and authored an extensive in-depth Sharepoint wiki documenting the production team's processes. Currently used as common reference for the production and online marketing teams at Indigo
- Ensured bulletproof quality of HTML emails across all email clients and web browsers before deploying to over a million subscribers

Personal Website
http://www.amaziying.com **HTML5, CSS3, jQuery, Javascript, Twitter Bootstrap**

- A business card style website to introduce myself personally and professionally
- Designed and built responsively on top of Twitter Bootstrap with scalability in mind

Travel Alarm Android App
https://github.com/amaziying/TSnooze **Android, Java, XML, Google Maps API**

- Led a team of 4 at McHacks (McGill University's hackathon) to build a functional android application featuring Google Maps API within 24 hours
- Location-based application for travellers that alerts the user when entering within a specific radius of the preset destination. Useful for daily commuters who sleep on the bus/train.
- Demonstrated object-oriented Android development in conjunction with Geofences from Maps API

Gaia Watering System
User-Friendly Automated Irrigation System **Iterative Design, Prototyping, Usability Testing**

- Iterative Design Process to define the problem space and iterate from low-fidelity to functional high-fidelity prototypes
- Usability Testing conducted to identify areas of improvement for each iteration

Education

Candidate for BASc in Systems Design Engineering
University of Waterloo **Sept. 2013 - Present**

- President's Scholarship of Distinction (95%+ Admission Average)
- **Relevant courses**: Digital Computation in C++, Graphics Lab (Sketching and Solidworks), Human Factors Design Engineering, Iterative Design Process, Digital Systems programming for hardware (Arduinos)

Interests

Wearable technologies, sustainable design, Tesla electric cars, soccer, ping pong, spectator sports, tech blogs, bad puns