QILE WANG

Systems Design Engineering | University of Waterloo

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EXPERIENCE

TD Innovation Labs

Solutions Developer · Jan 2016 - April 2016 · Waterloo, ON

- Used **Design Sprint** principles to prototype new banking solutions
- Drafted & directed **User Testing** to optimize product design
- Developed **Android** applications for potential customer use
- Built server side components for multiple projects with **Node.js**
- Explored **Augmented Reality** to create inventive new applications for the future of banking (**C#, Unity**)

Freelance Web Developer

Contractor · Mar 2015 - Present · Various Locations

- Built front end websites using **Javascript, HTML, CSS** for clients
- Helped design clean **User Centric** interfaces
- Clients include: Vitameter, Penta Medical, and Mr.Tutor GTA

PROJECTS

Texty

SMS Bot Interface to Access Web Features · Jan 2016, May 2016

- Created with **Twilio, Firebase** and **Node.js**, hosted on **Heroku**
- Checks translations, weather, stocks, currency, and email with APIs
- Text (226) 779-0980 to try it. **Currently under active development!**

AL - Alzheimers Assistant

Standalone Tracker for Roaming Patients · March 2016

- Built with a **Node.js** serverside and **Intel Edison** for tracking
- Wrote part of the **bash scripts** for connectivity & all of the backend

TIN - Tourist Information Network

Meeting Point Finder with SMS · Feb 2016

- Created with **Twilio, Android, Node.js, Firebase, Google APIs**
- Was responsible for integrating Android app with Twilio & API calls
- Featured in Twilio Project Promotion Video with Interview

ResearchMe

Web Checker for Tech Resume Listed Projects · November 2015

- Created with **Python, Django,** and **Google Search API**
- Was responsible for API implentation and Django integration

SKILLS

Languages: Javascript, HTML, CSS/Sass, Python, C++, C#, Java

Libraries & Frameworks: Node.js, React.js, Bootstrap, Sass, Django, Unity, Vuforia

Tools: Git, Webpack, Babel, Grunt, Npm

Hardware: Intel Edison, Arduino, Myo Armband

Methodologies: SCRUM, User Centered Design, Design Sprint, User Testing

ACTIVITIES

Velocity Resident: Living & Participating in UWaterloo's Residence for Entrepreneurs

EngSoc Representative: Class Representative for the Engineering Society

Hackathon Hacker: Veteran Hackathon Attendee / Team Leader with 13 Events Attended in Canada, the US, and Sweden

HACKATHONS

WearHacks Toronto: Smart Pillow for Sleep Management

BostonHacks 2015: EMS Caller Voice Analysis to Estimate Likelihood of Shock on Site

WildHacks 2015: Homeless Shelter Availability Hotline

Nordic IoT Hackathon 2016: Swedish Hackathon, Created an In-Hospital Patient Feedback System for Doctors / Nurses