Hantong Li

Full stack developer, candidate of B.Sc. in Computer Science, UWaterloo   Waterloo, ON
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PROGRAMMING

- Languages: C/C++, Python, Java, Swift, JavaScript.
- Frameworks: Node.JS, Flask, MongoDB, jQuery, Bootstrap.
- Platforms: iOS(XCode), Android (Android studio, ABD), AWS (EC2, Lambda) and Linux.
- Technical: Agile scrum methodology, object oriented programming, and strong algorithm implementation.

WORK EXPERIENCE

Co-founder & Software Developer, Tapplock, Toronto ON   **1/2016 – Present**

- Responsible for angel fund-raising, database designing, front-end app development and testing.
- Increased Bluetooth data transfer security by implementing an enhanced encryption algorithm.
- Rated "*2016 Top 15 Startup companies*" by Metabridge and incubated by HAX.
- Received invitation to CES 2017. Website: http://www.tapplock.com/

Summer Intern, Software Developer, General Motors, Oshawa ON   **5/2016 – 9/2016**

- Developed smoke and sanity testing suites for vehicle infotainment system using Automated Test Framework.
- Developed C++ scripts that can auto generate CAN messages, greatly shortened length of test scripts.
- Participated in vehicle safety test with function blocking under different driving modes.

Summer Intern, Software Developer, SpeechOcean, Beijing   **5/2015 – 9/2015**

- Developed machine learning data crawlers in Python with query support of keyword, location and language.
- Participated in designing a camera recognizer that can read road signs and traffic lights
- Participated in English and Cantonese voice recognition model.
- Worked on Feiyu Android app, an online outsourcing platform. http://zb.speechocean.com/

EDUCATION

Bachelor of Computer Science, Honors, University of Waterloo, Ontario   **9/2013 – Present**

- Relevant courses include Algorithm Design, Data Structures, MIPS and Compiler, Object-Oriented Programming Operating System, Database Management, Artificial Intelligence, User Interface.

PROJECTS

Goosey: First Learn API of UWaterloo (Since Sept 2016, independent) http://api.goosey.ca/

- Goosey is a RESTful API that provides endpoints for Waterloo Learn, such as courses' information, announcements, upcoming events, and lecture notes, etc.
- UWaterloo students can authenticate using school credentials.
- Powered by web crawlers using python Flask web framework, deployed on AWS EC2.

Feiyu: Online crowdsourcing iOS app (Since Oct 2016, independent) https://goo.gl/BwkEXp

- Users can earn money by completing simple tasks that only take 2 to 3 minutes
- Tasks include uploading a road sign photo, labeling a tweet with feelings, translating a text into voice, etc.
- Implemented features: login, sign-up, upload photo ID, linking bank cards, random verification code generator
- Acquired skills: Auto Layouts, view delegation, data localization, HTTP requests and JSON parsing in swift 3

AWARDS

- Faculty of Mathematics Entrance Scholarship   9/2013
- University of Waterloo President's Scholarship   9/2013
- School Winner in Euclid Exam   6/2012