

Hantong Li

Full stack developer, bachelor of B.Sc. in Computer Science, University of Waterloo

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PROGRAMMING

- Languages: C/C++, Python, Java, Swift, JavaScript.
- Frameworks: Node.JS, Flask, MongoDB, jQuery, AngularJS, TensorFlow.
- Platforms: XCode, Android studio, AWS, Linux.
- Technical: Agile scrum methodology, object oriented programming, and strong algorithm implementation.

WORK EXPERIENCE

SDE Intern, Amazon, Vancouver BC

6/2017 – 8/2017

- Responsible for developing internal web application for Amazon's product delivery API.
- Enhanced user experience with friendly interface and integrated helper tools for generating request fields
- Customized JSON parser that can display delivery options intuitively
- Implemented front-end with AngularJS and SemanticUI, and back-end with ExpressJS

Co-founder, Tapplock, Toronto ON

1/2016 – 12/2016

- 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.

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.

EDUCATION

Bachelor of Computer Science, Honors, University of Waterloo, Ontario

9/2013 – 12/2017

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

PROJECTS

Goosey: First Learn API of UWaterloo (Since Sept 2016, independent)

- 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)

- Users can earn money upon completing simple tasks which 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