

Henry Du

Software Developer



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www.HenryDu.ca

Languages

- Java
- HTML5
- CSS3
- Python
- C
- C#
- C++
- JavaScript
- Turing
- Scheme

Frameworks

- MVC3
- Flask
- Node.js
- Angular

Tools

- SVN
- Git
- NLP
- IIS
- AWS
- JQuery
- Firebase
- Selenium
- NUnit
- Unity

Citizenships

- Canadian
- U.S.

Interests

- Hackathons
- Badminton
- Bouldering
- Singing
- Frisbee
- Guitar
- MTG
- LoL

Employment

TD Bank Group : *Solutions Developer*

May 2016 – Aug 2016

- Ideated, implemented, and presented prototypes to solve common banking problems
- Utilized the design sprint to generate ideas
- Produced many Android applications which leveraged a wide variety of features such as Multi-Window, NFC, Bluetooth
- Created solutions for Android, Hololens, Firebase, and Google Cloud Tools
- Agile development with weekly sprints

International Medical Solutions : *Cloud Developer*

Sep 2015 – Dec 2015

- Worked to design and implement the web viewer, debugging logs
- Supported a back end, running on Amazon Web Services implemented using the .NET MVC 3 framework and deployed with IIS
- Implemented automated regression tests using NUnit and Selenium
- Collaborated with others using Tortoise SVN to share and update code base
- Debugged and refactoring code written by previous coop students
- Redesigned UI, patient anonymization, pushing new features to production

Merxmotion : *UI Developer*

Dec 2013 – Mar 2013

- Created webpages by implementing design elements requested into HTML/CSS format

Convention Organizer (ConBravo!, Anime North) : *Tech Coordinator*

Jul 2012 - Present

- Maintained all A/V, supervising volunteers, managing guests and crowds

Projects

Distl : *Node.js, Google Cloud Platform, Hadoop, NLP*

- Convenient Google Chrome extension that summarizes and extracts keywords and sentiment from a webpage

Identifai : *Node.js, Android, Imgur API, Clarifai API*

- Smart security system, capable of identifying specific animals and alerting the user on their smart phone when one is found

hAlkuu : *NLP, Flask, Clarifai API*

- Classification machine learning algorithm which generates haikus from photos, by identifying the main subject and searching for conceptually related words and comparing resulting sentences to a database of haikus data mined from online

Quiq : *Firebase, Angular, Recorder.js, Clyp.it API, Android*

- Frictionless way for students to ask relevant questions in class and have the lecturer's answer stored for future reference

Extracurricular

Most Promising Future Start up NHacks 2016, International Hackathon

1st Place Educational Computing Organization of Ontario, Regional Programming Contest

1st Place Fashion Merchandising Business Plan, Provincial Business Competition

Top Ten Fashion Merchandising Business Plan, International Business Competition

Tenor University of Waterloo A Capella Ensemble