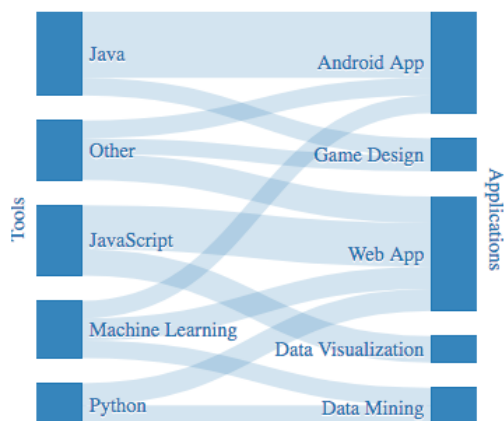


Thao Tran

2A Computer Science
Full-stack Developer, Problem solver

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TECHNICAL SKILLS



- **Languages:** Python, Java, JavaScript, C, C++, Racket
- **Frameworks/Platforms/Tools:** Node.js, Express.js, D3.js, Android Studio, MongoDB, SQLite

AWARDS

1st Place in Physics Contest 2012-2013
• Scored the top 5% of contestants twice physics contests held by Da Nang Education Committee

Distinction in Euclid Contest May 2016
• Scored the top 10% of contestants in a high school math contest held by the University of Waterloo

One of Finalists in CodetoWin Oct 2016
• Scored the top 10% of contestants in a computational contest held by Communitech

SLP Certification Expected Dec 2017
Achieved leadership skills through 12 Student Leadership Program workshops.

PROJECTS

WatEIS - Waterloo Employer Info Session June 2017

- Built an Android app using employer info sessions data extracted from the University of Waterloo's API
- Applied ListView to display list of info sessions and Glide to load and cache employers' logos from Clearbit API
- Implemented BroadcastReceiver to send notifications
- Used SQLite database to enable offline mode and integrate a theme-filter search
- Implemented AsyncTask and Loader to do time-consuming tasks in the background while keeping the interface fast and responsive

Bookworm - Book exchange platform Aug 2017

- Developed a web app for free books exchange using MongoDB, Express.js, and Node.js
- Performed user authentication using Passport.js
- Integrated sentiment analysis with neural network model for a more comprehensive book reviews ranking system

EXTRACURRICULAR ACTIVITIES

Google Hackly Code Camp Sep 2015

- Mentored a group of 30 underprivileged young students to learn coding through solving problems in Blockly Games

Nasa Space App Challenge Hackathon May 2017

- Collaborated on a web app, Save Sun, which helps households with solar panels manage their energy usage
- Built interactive line charts in D3 to compare collected data against that predicted by our solar energy prediction model
- Designed Sankey diagrams to break down energy usage by household member

EDUCATION

University of Waterloo Sep 2016 – Expected 2021
Candidate for Bachelor of Computer Science, Honours, Co-op, 2A

- Cumulative Average: 89.60%
- Recipient of the Faculty of Math Entrance Scholarship

Online Coursework Aug 2015 - Present
Introduction to Computer Science (Udacity)

- Produced a search engine that implemented crawler, index, and page rank algorithms

Machine Learning - Stanford (Coursera)

- Learned how to apply machine learning algorithms to problems such as image recognition, clustering, anti-spam, ...