

Hong Yu Wang

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Work Experience

- Amazon** Toronto, ON
 - Software Engineering Intern* *September 2019 - Present*
 - Developed a feature used by warehouse associates in fulfillment centers
 - Website written in
- Google** Boulder, CO
 - Software Engineering Intern* *May 2019 - August 2019*
 - Developed an end-to-end tool for visualizing bindings for Guice (Google's dependency injection platform)
 - Visualized dependency graph using d3.js
 - Provided feature to compute unused bindings
 - Allows for a substantial reduction in server start up time and reduced test flakiness
- Informatica** Toronto, ON
 - Software Engineering Intern* *May 2018 - May 2019*
 - Worked on the Master Data Management product
 - Created UIs with React-Redux and AngularJS with Java Spring
 - Integrated 3rd party library Webswing to facilitate company transition to Java 11
 - Designed an end-to-end automation framework using Puppeteer
 - Experience in an agile work environment
- University of Toronto** Toronto, ON
 - Lab Programmer* *May 2017 - April 2018*
 - Designed a system to create psychology experiments using C#.
 - Used a linked-list to not require global state. This allowed multiple entry points into each trial
 - Implemented procedural generation of trial environments
 - Created a feature which allowed end-users to design trial workflow using reflection

Skills

Languages: Java, Javascript, Python, C/C++, C#, SQL

Frameworks: React, Node, Guice, Spring, AngularJS, Angular 2, Android

Other: PostgreSQL, MongoDB, Linux, Bash, Latex, Git, Subversion, Perforce, Mercurial

Education

- University of Toronto - St. George Campus** Toronto, ON
 - Bachelor of Science in Computer Science* *Sept. 2015 - April. 2020*
 - 2016, 2017, 2018 Dean's List Award

Projects

- StudyCat - Android, NodeJS, Python** github.com/hongyu-wang/StudyCat
 - Project Course* *Sept 2017 - Dec 2017*
 - A multi-platform anti-procrastination application with a desktop, android, and web component
 - Implemented a Node server to handle communication between all applications
 - Wrote an event driven system for app-server communication using DataBus
 - Followed an agile design process