



Yufeng (Amy) Du

Fourth Year Computer Science Student

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PROGRAMMING SKILLS

- **Languages:** Ruby, Python, C++, Java, PHP, MySQL, JavaScript, TypeScript, HTML, CSS, L^AT_EX
- **Technologies and Frameworks:** Ruby on Rails, React, jQuery, WordPress, Docker, Laravel, Ionic

WORK EXPERIENCE

- **Persona** San Francisco, CA
Software Engineer May 2020 - Aug. 2020
 - Enhanced feature set for Rails models to duplicate attributes to new accounts with ActiveAdmin gem.
 - Modified front-end experience to highlight component state changes using React, Redux, and typescript.
- **Blindside Networks Inc.** Ottawa, ON
Web Applications Developer (RoR) Sept. 2019 - Dec. 2019
 - Implemented WordPress plugin utilizing hooks and filters to allow users to create online conferences natively.
 - Developed widget and shortcode for users to embed conference login form from any page across their website.
 - Added OpenID Authentication and message signing and verification to Learning Tool Interoperability tool.
 - Improved user experience with a high emphasis on accessibility.
- **eleven-x** Waterloo, ON
Full Stack Developer Jan. 2019 - Apr. 2019
 - Wrote decoders to process different types of encoded payloads from Internet of Things devices.
 - Optimized back-end controllers and APIs to reduce processing time from minutes to seconds.
 - Implemented device and user specific alerts to display on a live dashboard using websocket.
 - Added user-friendly scripts to reprocess selected devices' raw data with selection menus and progress bars.
- **Many Roads Studios** Toronto, ON
Full Stack Developer May 2018 - Aug. 2018
 - Integrated Ionic with Firebase (NoSQL Database) to store user credentials and personalized information.
 - Tested Ionic App on Android and IOS devices to ensure features had the correct behavior on desired platforms.
 - Created private articles for users to write, share, and like in WordPress with a rich text editor.
 - Wrote and ran MySQL migration scripts to update and revert database changes.
- **Avidbots Corp** Kitchener, ON
Quality Assurance Analyst Sept. 2017 - Dec. 2017
 - Permanently reduced regression by writing complex Python automation scripts to replace manual testing.
 - Thoroughly tested features to ensure its functionality performs as needed with a pleasant UI and UX.
 - Gained knowledge of agile software development.

PROJECTS

- **BigBlueButton WordPress Plugin** An open source Github project that customizes the experience of creating online conferences in the BigBlueButton server and integrated the plugin into WordPress with capabilities based on user roles and permissions.
- **Ragdoll** A ragdoll toy in java (Android Studio) that uses scene graphs for translation, rotation, and scaling on individual body parts. The completed ragdoll was dressed in a striped suit and a top hat.

EDUCATION

- **University of Waterloo**
Candidate for Bachelors of Mathematics, Honours Computer Science Sept. 2016 - Apr. 2021

COURSEWORK

- Artificial Intelligence, Computer Networks, Computer Security and Privacy
- Algorithms, Operating Systems, Object Oriented Software Development