Yufeng (Amy) Du
Software Engineer

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○ https://github.com/yfngdu

PROGRAMMING SKILLS

- **Languages**: Ruby, Python, C++, Python, TypeScript, HTML, CSS , PHP, BASH, LaTeX
- **Frameworks**: Ruby on Rails, React, WordPress, Android, Laravel, Ionic
- **Technologies**: Redux, jQuery, Docker, PostgreSQL, MongoDB, MySQL, Firebase, RSpec, Eloquent, Selenium

EDUCATION

- **University of Waterloo**
  Bachelors of Mathematics, Honours Computer Science   *Sept. 2016 - May 2021*

WORK EXPERIENCE

- **Bloomberg**   Manhattan, New York
  Software Engineer (News Content Team)   *08/09/2022 - present*
  - Took initiative to revamp platform to follow the yearly New Economy Forum closely with currated news.
  - Consolidated the print and download PDF workflow on a news story to process asynchronously.
  - Optimized Redux method to notify subscribers only when the slice of state it subscribed to changes.

- **Shopify**   Montréal, QC (remote)
  Backend Developer Intern   *09/08/2020 - 12/18/2020*
  - Created GraphQL endpoints and functionality for services based on API design pattern best practices.
  - Implemented cron job using Sidekiq to periodically scan google cloud buckets for changes and update database.

- **Persona Identities Inc.**   San Francisco, CA
  Software Engineer Intern   *May 2020 - Aug. 2020*
  - Drove and implemented project to send emails from the dashboard to shorten the time users spent on daily tasks.
  - Wrote design specifications and implemented sales enablement feature to freeze customer accounts after trial.
  - Provided geo-location fraud signals that customers used for stricter enforcement of authentic identity in Rails.

- **Blindside Networks Inc.**   Ottawa, ON
  Web Applications Developer (RoR) Intern   *Sept. 2019 - Dec. 2019*
  - Implemented WordPress plugin utilizing hooks and filters to allow users to create online conferences natively.
  - 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 Intern   *Jan. 2019 – Apr. 2019*
  - Constructed decoders to process different types of encoded payloads from Internet of Things devices in Laravel.
  - Optimized back-end controllers and APIs in PHP to reduce processing time from minutes to seconds.
  - Implemented device and user specific alerts to display on a live dashboard using WebSocket.

PROJECTS

- **BigBlueButton WordPress Plugin** https://github.com/yfngdu/wordpress-plugin_bigbluebutton
  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.