Mike Yue

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GitHub URL
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Highlight of Qualifications

Languages/Frameworks
Python (Django) • Javascript (React, Node) • Ruby (on Rails) • Java • C/C++

Other
REST APIs • GraphQL • Git VCS • PostgreSQL • Jenkins • Docker

Work Experience

Software Developer Intern | Shopify   *May 2019-Aug 2019*
- Spearheaded development of a new React application to replace the deprecated Rails front-end that serves 5000+ Shopify employees
- Modified and migrated 15+ Rails REST API endpoints to GraphQL endpoints, providing contextual data for the React application to render
- Used Rails low-level caching to store contextual user data and reduce webpage loading times by 12x
- Designed unit tests with 80+% code coverage to ensure minimum errors in production

Software Developer Intern | BC Cancer Research Center   *Sept 2018-Apr 2019*
- Migrated 2 Django servers to Microsoft Azure, enabling access for 20+ off-site employees
- Transitioned 60+ accounts across all servers to Azure Active Directory, reducing login friction for end-users
- Implemented CI/CD pipelines for the Django servers with Jenkins, replacing manual deployments and reducing deploy times by 50%
- Automated Cron jobs to backup databases nightly, improving application resiliency

Junior Developer | UBC Center for Teaching, Learning, and Technology   *May 2018-Aug 2018*
- Wrote Python scripts that used the Canvas Learning Management System REST API and automated repetitive tasks for faculty members
- Optimized existing scripts to make use of multiprocessing to minimize the waiting times of multiple API calls at once, cutting down the script runtime by over 50%

Projects

Lazy | NwHacks 2019 Hackathon Project
- Web application that interfaced with your Google Calendar to create different study schedules
- Written with vanilla Javascript, Django, and stored data in SQLite databases

ZeroChain | Personal Project
- Blockchain project that supports distributed mining between different computers
- Written with Python and NodeJs (Express.js), and stored the mined blocks in SQLite

Education

University: University of British Columbia • **Major:** Bachelor of Applied Science
Graduation: May 2020 • **Specialization:** Computer Engineering
Notable Courses: Computer Security, Software Project Management, Computer Networks