Hui-Ru **Guan**

📱 (778) 896-9699 | ✉ huiru.guan@outlook.com | ⌨ github.com/hrguan | 💻 personal-portfolio
Available to start on April, 2022

EDUCATION

University of Pennsylvania, Philadelphia, Pennsylvania, USA   Jan 2021 - Present
Master of Computer and Information Technology

TECHNICAL SKILLS

Java | Python | TypeScript | JavaScript | Express | Node.js | MySQL | MongoDB | React Native| Bootstrap | EJS | HTML | CSS | Git | Spring | Spring Boot | Hibernate | Docker | Kubernetes | React | Redux |

PROFESSIONAL EXPERIENCE

App Annie | *Software Quality Assurance Intern* **|** *BC, Canada*   Sep 2021 - Mar 2022
- Planned and created UI automation test scripts for more than 20 React components on company's new data analysis platform by using Cypress framework.
- Constructed functional testing for data aggregation, sorting, paging by using Pytest framework for Django backend.
- Created smoke testing for over 10 pages against the critical functionalities to ensure web stability.
- Developed backend testing by inputting JSON data in PostMan for testing over 20 cross-platform data sharing APIs.
- Familiarity with web development tools such as Git and Jira and CI/CD(Jenkins).

Sky Printing | *Senior Associate Project Manager* **|** *Guangdong, China*   Jun 2014 - Jul 2018
- Facilitated to develop enterprise resource planning system by collaborating with 5 departments to gather requirements and improve UI/UX design.
- Designed corporate website including sitemap, content creation, and search engine optimization to generate higher website traffic and enhance corporate brand image.

SELECTED PROJECTS

GoRelax (Website, Code)
A full-stack application for campground review. Users can create their own relaxed places, provide reviews and rate for the places with a map view.
- Developed back-end by using Express framework, Node.js, and MongoDB.
- Implemented responsive front-end by using Bootstrap framework and EJS templates with HTML, CSS.
- Integrated Mapbox API for map view that supports click popups with location descriptions.
- Constructed user authentication and authorization system with the Passport.js middleware.
- Deployed the application using the Azure Web App service and Cloudinary Object Storage.

Face Recognition (Website, Code)
A full-stack application for face recognition. Users can create their own accounts and provide photos to detect faces from any angle with landmarks and alignment.
- Implemented responsive front-end by React and using CORS to let front-end communicate with back-end.
- Developed back-end by using Express, and in combination with Clarifai API. Connecting Knex.js with PostgreSQL.

Customer Management System (Code)
A CRM application to manage customers with complete data-manipulation functionalities: add, update, delete, sort and search.
- Implemented back-end by using MySQL database, Hibernate, and Spring framework.
- Built front-end by using Spring MVC and Jakarta Server Pages.

COVID-19 Data Analysis
A Java application that parses and analyzes data sets from OpenDataPhilly regarding vaccination statistics.
- Designed and implemented an N-Tier architecture for User Interface, File I/O, Data Parsing/Processing.
- Employed Singleton design pattern in consistent logging functionality and Strategy pattern in interchangeable data analysis algorithms, achieving a maintainable and resilient software design.