Anna(Yun) Xu

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EDUCATION

Northeastern University   **Seattle, WA**
May 2023
Master of Science in Information Systems - Computer Software Engineering, GPA: 3.8/4.0

University of Illinois, Urbana-Champaign   **Champaign, IL**
Class of 2018
Bachelor Degree in Landscape Architecture, Dean's List, Wadsworth Scholarship

SKILLS

Programming Languages : JavaScript, Java, Python, Swift

Web Technologies: HTML5, CSS3, Node.js, Express.js, JSON, MySQL, Bootstrap

Framework & Tools: ReactJS, Terraform, Packer, Jira, Selenium, JUnit, VueJS, IntelliJ, Eclipse, VS Code, Linux Ubuntu, Docker, Git, GitLab, Vim, Bash script

Coursework: Network Structures & Cloud Computing, Smartphone development, Application Engineering & Development, Object Oriented Design, Web Design and User Experience Engineering, Web Development Tools and Methods

EXPERIENCE

Taboola   **Los Angeles, Jan - Dec 2022**
Software Engineering Coop, Front-end Team
- Developed dynamic and cross-browser compatible website components for the flagship product using **ReactJS, Redux, and CSS** to enhance client's ability to generate campaigns and ads, implemented RESTful API in **Java** to process user input and improve system performance.
- Designed and executed automated test plans using **Selenium, Jira, Unit testing** to ensure high-quality and robust software features; resolved software defects by debugging and code reviews.
- Implemented design changes based on user testing feedback, resulting in a 20% increase in user engagement.
- Worked in an **Agile** environment, collaborating with the project manager and joining daily scrum, sprint review, and planning meetings to ensure project alignment with requirements.

New Oriental Inc.   **Beijing, May 2018 - Dec 2020**
Software Testing Engineer
- Created, maintained and executed test plans and test cases in **Java** to ensure adequate product testing prior to implementation for validating new and existing features, including **regression tests,** within the BPM system (Business Process Management).
- Methodically assessed product code against specifications, adeptly recording defects in **Jira** with precision.
- Collaborated with cross-functional teams to assure software quality throughout the entirety of the development cycle up to release.
- Played a pivotal role in reinforcing QA processes and protocols, aligning them with industry best practices.

PROJECTS

Sales Administration, a SPA Full-Stack Web Application deployed on AWS   **Sept 2022 - Apr 2023**
- Developed the application for business owners to manage their sales data using the **ReactJS** framework, implemented **RESTful APIs** to handle HTTP requests and responses, architected and developed backend and database with **Express**-based **Node.js** and **Sequelize**-based **MySQL**; designed and implemented **continuous integration and delivery pipelines** using **GitLab**.
- Developed and deployed cloud infrastructure on **AWS**, utilizing **EC2, S3,** and **RDS** to ensure high availability and scalability of applications and services, using *IaC* tool **Terraform,** with **AMI** creation tool **Packer**
- Developed and implemented a disaster recovery plan, utilizing AWS services such as Elastic **Load Balancing, Auto Scaling**, and **Route 53** to ensure business continuity in the event of a disaster.
- Utilized AWS **CloudWatch** to monitor and analyze system **logs** and **metrics**, implemented monitoring and alerting systems using tools such as **Prometheus**, ensuring timely detection and resolution of issues.