SONGYU WANG

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SUMMARY

Software test engineer (quality assurance specialist) with two years of experience in test strategy design, test automation, test plan, test execution(manual and automated), and test framework/tool development in the highly regulated medical industry in a SCRUM/Agile environment. Deep understanding of functional testing with behavior-driven development and test-driven development. Strong technical acumen with extensive defect and bug identification, triage, reporting, and verification exposure. Oversee verification and validation regularly for web applications, API services, etc.

EDUCATION & CERTIFICATIONS

Rose-Hulman Institute of Technology   **Terre Haute, IN**

Bachelor of Science, Computer Science and Software Engineering (2018)   *GPA: 3.73/4.00*

Scrum.org | Professional Scrum Product Owner I (2019) **& Professional Scrum Master I** (2018)

Triplebyte | Generalist Software Engineering (2019)

California State Department of Consumer Affairs | Engineer in Training (2020)

TECHNICAL SKILLS

Selenium	HTML/CSS/Javascript	Cypress	Behave
Java	Python	AWS	Mac/Linux/Windows OS
MySQL	GIT	Jenkins	Docker

EXPERIENCE

Jun 2020 – Present   **Benchling**   **San Francisco, CA**

Software Engineer, Quality

- Come back in a few months to find out more!

Jul 2018 – Apr 2020   **HeartFlow, Inc**   **Redwood City, CA**

Software Engineer in Test

- Oversaw quality and testing for platforms' and services' components in a SCRUM/Agile environment for a medical technology company that develops software used to create 3D models of coronary arteries to analyze blockages and the impact on blood flow
- Supported development and verification of three web applications, three backend/API services and four workflow/product-related components
- Maintained and refactored existing legacy test frameworks to improve stability and speed, continuously deliver new features for newer frameworks
- Implemented and maintained internal tools to support the development and verification effort
- Designed manual and automated tests using Python and JavaScript to refine and verify product requirements prior to launch/implementation
- Discovered and managed hundreds of internal and external defects and bugs
- Conducted verification/validation activities, including developing and executing test plans, reviewing results and writing reports, and collaborate with cross-functional teams to perform functional, regression, and system-level testing, and ensuring all test-related documentation meets the current corporate and federal regulations
- Prepared Test /Risk Traceability Reports to document test execution outcomes and traced each product requirement and risk contributor/mitigator to the test

Prior intern and part-time work experience are omitted to conserve space. See https://songyu-wang.github.io/ for details