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

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

**Triplebyte | Generalist Software Engineering** (2019)

# 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