

SHAWN FENG

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OBJECTIVE

To obtain a SQA position in engineering that utilizes knowledge in technology

(Authorized to work for any employer within the U.S., no sponsorship is required now or in the future)

EDUCATION

University of Virginia, School of Engineering and Applied Science

Charlottesville, VA

B.S. Electrical Engineering

May 2015

RELEVANT EDUCATIONAL EXPERIENCE

(OOP) Java, C#, *(Scripting)* Python, JavaScript, *(Software Development Methodology)* Agile, Scrum, Waterfall, *(Database)* PL/SQL, MongoDB, *(Testing)* Black box manual, White box, Regression, Acceptance, Reliability, Performance, Automated test script, Test plan, Test cases, *(Testing tool)* Selenium, Jenkins, LabView, Junit, *(OS)* Windows, OS X/ Unix, Linux, *and still enjoy learning new technologies every day both inside and outside of work...*

RELATED WORK EXPERIENCE

Brooks Automation Inc.

Fremont, CA

SQA Engineer

Feb, 2016—April, 2016

- Worked with Agile methodology in C# to deliver robust high quality host software for semiconductor automation robots
- Created software test plans based on the product requirements, design specifications and SEMI standard
- Conducted black box testing (regression, user acceptance testing) prior to every software release
- Adopted white box testing methodology with C# and python for system performance and reliability related testing
- Collaborated remotely with manufacturing and software engineers in Asia and Europe, together provided worldwide factory and customer support
- Performed hands-on hardware debugging, and set up equipment for testing in laboratory environment

SQA Engineer Intern

Oct, 2015—Feb, 2016

- Discovered, logged and reported bugs and defects, communicated and assigned issues to software developer, and perform functional and regression testing upon bug fix to insure software quality

Product Marketing Intern

May, 2015—Sept, 2015

- Worked among marketing, electrical and reliability engineering teams to conduct a thorough performance testing for one of the latest semiconductor automation tools. The project covered aspects such as throughput, reliability, repeatability and cleanliness of the robot.
 - Wrote lower level python script instructions to operate and test automation robots and machineries, then used LabView program to observe and capture system instability down to nanometer range
 - Designed test plan and cases for step motor measurements to improve linearity of the mechanical device and reduce vibration for overall system using simple electrical components
- Assisted to perform competitor analyses for new semiconductor fabrication solutions.

Gale Cengage Learning

Farmington Hills, MI

Software Developer Intern

May, 2014—August, 2014

- Built an interactive web collaboration application using AngularJS, SocketIO, NodeJS with Express and MongoDB
- Replaced the use of google doc for conducting lean-coffee style meeting between different offices across the nation by using this app
- Understood entire flow terminology for web and mobile app development from front to back end