Shing Lyu

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No.1, Ln. 236, Minsheng Rd.,
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Work Experience

Senior Software Engineer , Mozilla   Feb 2017 - present
- Building the CSS Flexbox implementation and improved the specification
- Enabled systematic performance tuning and testing for the next-generation Quantum and Servo browser engine by designing and implementing 3 automation frameworks
- Mentored 50+ Servo and Rust programming language contributors

Software Engineer (Browser Engine) , Mozilla   Apr 2016 - Feb 2017

Contributor (Programming) , Servo Parallel Browser Engine Project   Nov 2014 - present
- First ever Taiwanese to be promoted to core team reviewer

Software Engineer (Test Automation) , Mozilla   Aug 2014 - Apr 2016
- Speed up test environment setup by 25x faster with virtualization technology
- Redesigned our new test case management system and reduced engineer's work time by 50%

Validation Engineer (Intern) , Intel   May 2012 - Jun 2014
- Greatly improved the test reliability by automating the Intel MRC test process
- Built the first Android-based POS prototype on Intel technology

Multimedia Engineer (Intern) , MediaTek Inc., Taiwan   Jul 2011 - Sep 2011

Education

M.S. Electrical Engineering , National Taiwan University   Jun 2014
B.S. Electrical Engineering , National Taiwan University   Jun 2012
Quantitative Finance Program , National Taiwan University   Jun 2012

Talks

Rust Beginner Workshop   Jan 2017
COSCUP   The Servo Browser Engine   2016
Modern Web   The Servo Browser Engine   2016

Publications

A Semi-automatic Computer Expressive Music Performance System Using   Jun 2014
Structural Support Vector Machine

(Master Thesis)

Automatic Saliency Inspired Foreground Object Extraction from Videos   2012

IEEE International Conference of Image Processing (ICIP)

Skill Set

Expertise CSS/Layout, Test automation, Quantitative Finance, Machine learning

Programming Rust, Python, HTML/CSS, JavaScript, C++, R

DevOps Test Automation, Selenium, Linux, Docker/Vagrant, CI/CD, Jenkins, git

Language Mandarin Chinese (native), English (fluent, TOEIC 990)

Certificates

- Google AdWords Certificate   valid thru Jan 2017
- Google Analytics Certificate   valid thru Feb 2018
- Senior Securities Specialist License   Mar 2012
- TOEIC 990/990   2014