# Shing Lyu

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## Experience

**Software Engineer (Browser Engine)** , Mozilla                                          Apr 2016 - 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

**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

## Publications

**A Semi-automatic Computer Expressive Music Performance System Using Structural Support Vector Machine**                    Jun 2014
(Master Thesis)

**Computer Expressive Music Performance by Phrase-wise Modeling**                    2012
International Workshop on Computer Music and Audio Technology (WCMAT)

**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)

## Qualifications

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

## Leadership

- President of Philharmonic Club, National Taiwan University                    Sep 2009 - Aug 2010
- President of Science Club, Jian-Guo High School                    Sep 2006 - Aug 2007