

Ho Yin (Michael) Cheng

Full Stack Engineer · QA Engineer · Teacher

CONTACT

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🏠 Brooklyn, NY

LINKS

🔗 github.com/hysan
📖 stackoverflow.com/cv/hoyincheng
in linkedin.com/in/hoyincheng
🌐 lovescomputers.com

>_ TECH STACK

Programming Languages:

JavaScript, Ruby, Python, SQL

Frameworks:

React, React Native, Ruby on Rails

Libraries / Packages:

redux, redux-thunk, react-router,
react-map-gl, Auth0, StoryBook

Design / UI/UX:

Figma, SASS, CSS Modules, Ant Design

DevOps:

LXC, VirtualBox, NGINX, ssh, DBAN

Tools:

git, npm, Yarn, Flow, ESLint, Prettier

Operating Systems:

Windows, macOS, Linux, Debian,
Ubuntu, FreeNAS, Proxmox, Synology

PERSONAL STATEMENT

Pragmatist that brings viewpoints of both QA and Software Engineering to a team. I look to improve the quality of products and how they integrate as a whole to boost overall user experience.

EXPERIENCE

Lead Instructor, SE

[Flatiron School](#)

Apr 2018 - Apr 2019

New York, NY

Environment: React, JavaScript, Ruby on Rails, Ruby, redux, redux-thunk, SQL, git

- Created lectures, class materials, and standard operating procedures for final project, redux, and new React 2.1 curricula that accelerated new instructor onboarding and campus expansion.
- Wrote and delivered Flatiron's first ever Linux lecture where I demoed load balancing with Raspberry Pis using HAProxy.
- Peacefully mediated large class/campus grievances with Flatiron and resolved interpersonal student conflicts.
- Consistently received near perfect reviews from students on lectures, approachability, and teaching.

Assistant Language Teacher (ALT)

[JET Programme](#)

Aug 2011 - Aug 2016

Fujisato Town, Japan

- Used analytics to pinpoint individual students' problems and saw mean high school entrance exam English scores increase by ~30% during my tenure.
- Co-founded & ran the first Fujisato Town Summer English Camp.

Software Developer / Senior QA Analyst

[Solbright](#)

Sep 2008 - Oct 2010

New York, NY

Environment: PL/SQL, Java, iBatis, Spring, Selenium, Oracle, VMWare, SVN

→ **Software Developer / Senior QA Analyst**

(Oct 2009 - Oct 2010)

- Refactored and optimized adInventory product's legacy PL/SQL codebase which improved performance and customer satisfaction.
- Researched and wrote POC code that tested adInventory's new database design for correctness and performance.
- Resolved all adInventory production issues within our SLA as Technical Service's primary on-call development contact.

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SKILLS

Classroom Management
Conflict Resolution
Agile / Scrum
Technical Documentation

EDUCATION

BS, Computer Science
[Columbia University](#)
2003 – 2007

LANGUAGES

English
Japanese
Cantonese Chinese (spoken)

EXPERIENCE CONTINUED

Solbright *Sep 2008 - Oct 2010* *New York, NY*
→ **QA Analyst & Engineer** *(Sep 2008 – Sep 2009)*

- Performed Test Gap Analysis for adInventory product that revealed unknown bugs & eventually reduced client reported issues by 90%.
- Resolved all installation & upgrade issues within our maintenance window as Technical Service's primary on-call QA contact.
- Maintained adInventory demo environments for NY & India teams which reduced blockers and sped up QA cycles.

Solution Architect / QA Team Tech Lead

Steve & Barry's *Nov 2007 – Jul 2008* *Port Washington, NY*
Environment: HP QuickTest Pro, HP Quality Center, VBScript, Subversion

- Created a framework built atop HP QuickTest Pro (QTP) that standardized and simplified our automated tests.
- Trained our India QA Team in testing best practices and tool usage (QTP, Quality Center (QC), SVN) which sped up projected SAP rollout.

PROJECTS & VOLUNTEERING

Fernvy *[side project] May 2019 - Aug 2019* *Frontend Engineer*
Crowdsourced travel guide built via of the collective wisdom of the internet.

- Brought on and tasked with taking user feedback and doing a ground up rewrite of the frontend; used Figma to iterate on designs and then architected, implemented, and documented the new frontend codebase.

>_ React, Redux, redux-thunk, react-router, react-map-gl, Auth0, Ant Design, CSS Modules, SASS, StoryBook, Flow, ESLint, stylelint, Prettier, Figma

JASSI *[volunteer] Nov 2017 - current* *IT Support Technician*
Provisioned hardware, managed backups/restores, updated website, and resolved various tech issues for a mixed Windows / macOS environment.

Fujisato BBC *[volunteer] Dec 2011 - Apr 2015* *Assistant Coach*
Coached the Fujisato Elementary School Boys Basketball Club while in Japan.

Home Lab *[hobby] Sept 2009 - current*
Tinker and maintain custom built servers for web apps, automation, backups.

>_ FreeNAS, Proxmox, Debian, Ubuntu, VirtualBox, LXC, ZFS, DNS, SSL, NGINX, rsync