

Ho Yin (Michael) Cheng

Software Engineer

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Seattle, WA

PROFESSIONAL SUMMARY

Analytical and detail oriented software engineer with a background in QA and teaching. I am passionate about documenting processes and building quality products that provide an excellent user experience.

github.com/hysan

linkedin.com/in/hoyincheng

lovescomputers.com

EXPERIENCE

Software Engineer

Groupon

Nov 2019 - current

Seattle, WA

- Led the quarterly load testing effort for the Goods CX Team by coordinating across 4 engineers.
- Collaborated with the SEO Team to investigate and fix high-priority bugs that caused the search engine to index pages that should not have been indexed.
- Assisted in performance analysis and monitoring for the cloud migration effort that moved Goods CX applications from on-prem hosting to AWS.
- Investigated and resolved production issues during on-call shifts.

Lead Web Development Instructor

Flatiron School

Apr 2018 - Apr 2019

New York, NY

- Created lectures, class materials, and standard operating procedures for final project, redux, and new React v16.x curricula that accelerated new instructor onboarding and campus expansion.
- Wrote and delivered Flatiron School's first ever Linux lecture where I demoed load balancing with Raspberry Pis using HAProxy.
- Consistently received review scores of 9+/10 from over 300 students on lectures, approachability, and teaching placing me in the upper third of all 12+ in-person instructors.
- Peacefully mediated large class/campus grievances with Flatiron & resolved interpersonal student conflicts.
- Managed pacing and scheduling for over 40 students while coordinating with 4 TAs on a daily basis.

Software Developer / Senior QA Analyst

Solbright

Sep 2008 - Oct 2010

New York, NY

→ Software Developer / Senior QA Analyst

(Oct 2009 - Oct 2010)

- Optimized adInventory's legacy PL/SQL codebase which improved performance and customer satisfaction.
- Developed POC code that tested adInventory's new database design for correctness and performance.
- Evaluated and advised the QA Team on which automation tools (Selenium, QTP, etc) to adopt.

SKILLS

Tech Stack: JavaScript, React, Preact, React Native, Node.js, Ruby on Rails, redux, Mocha, CSS, SASS, SQL, git, Figma, LXC, VirtualBox, ssh, CI/CD, Windows, macOS, Linux, Debian, Ubuntu, FreeNAS, Proxmox

Skills: Technical Documentation, Curriculum Development, Lectures, Classroom Management, Conflict Resolution

Languages: English, Japanese, Cantonese Chinese (spoken)

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EXPERIENCE CONTINUED

Solbright *Sep 2008 - Oct 2010* New York, NY

→ **QA Analyst & Engineer** *(Sep 2008 – Sep 2009)*

- Reduced client reported issues by 90% by performing a Test Gap Analysis of our adInventory product that revealed bugs and untested code paths which were converted to tests and fixed.
- Sped up QA cycles by owning and maintaining adInventory demo environments for NY & India teams.

Solution Architect / QA Team Tech Lead

Steve & Barry's *Nov 2007 – Jul 2008* Port Washington, NY

- Created a framework built atop HP QuickTest Pro that standardized and simplified our automated tests.
- Trained our India QA Team in testing best practices and tool usage (QuickTest Pro, Quality Center, Subversion) which sped up our projected SAP rollout by allowing us to automate the most repetitive manual tests.

EDUCATION

Columbia University New York, NY

BS in Computer Science

Minor: East Asian Language & Culture

2003 – 2007

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, Figma

JASSI *[volunteer]* *Nov 2017 - Feb 2020* IT Support Technician

Provisioned hardware, managed backups/restores, maintained WordPress website, managed email and hosting, and resolved various technical issues for a mixed Windows / macOS environment.