

LinkedIn: [linkedin.com/in/victor-i-chung-lin](https://www.linkedin.com/in/victor-i-chung-lin)

GitHub: github.com/victorlin-houzz

Portfolio: victorlin.us

>LANGUAGES AND TECHNOLOGIES

- **Proficient:** PHP, Java, Python, JavaScript (ES6), ReactJS, Thrift, SQL, Ruby on Rails, SQL, AWS

>PROFESSIONAL EXPERIENCE

Houzz | Staff Software Engineer/Tech Lead, Core Infra | Palo Alto, CA

2016 - Present

Lead several key projects:

- Instrumented DataGuard to protect personal & sensitive data at SQL/Thrift/GQL layers, protecting millions of personal data from exposing to the public.
- Implemented Spam Detection and Treatment pipeline for Houzz users, professionals and images, and caught ~100k spam incidents since launched.
- Revamped ABTest Data Dashboard Frontend and integrated with Data pipeline Backend.
- Migrate TSDB from OpenTSDB to Prometheus datastore on Kubernetes clusters.

Software Development:

- Architected and built Bot Mitigation Flink pipeline to detect abnormal user activities on the site.
- Instrumented Distributed Tracing System: created Java, PHP and JS Zipkin clients and instrumented them for microservices monitoring. Integrated usage results with Regression detection pipelines.
- Built user data request/deletion pipeline, as well as Consent Management Application to comply with GDPR regulation with React, Thrift, PHP & RQ.
- Phabricator development: supported access control and customized enhancing goal planning and task management pages, in result of streamlining weekly release and standup meeting processes.

Headway Technologies, Inc. | Software Engineer | Milpitas, CA

2011 - 2016

- Built a web-based reporting dashboard with JavaScript, PHP, HTML5 and CSS3 to monitor tool health status in real-time, reducing equipment downtime by 10 - 20%.
- Automated manual schedule-dependent process data reporting system utilizing Python and Visual Basic which saved company ~\$390,000 annually.
- Developed process control system utilizing Java, SWT, Jface and SQL to increase wafer yield by ~30% by handling communication between 200+ manufacturing equipment and Oracle databases.

Telecom Technologies Services Inc. | RF Engineer | Washington, DC

2010 - 2011

- Designed macros using Visual Basic for preparing and optimizing neighbor lists of T-Mobile network of > 200 newly launched UMTS sites monthly.

>OPEN SOURCE PROJECTS

Pinitt | [live](#) | [github](#)

2016

- Web application with optimized real-time search using ReactJS, full Redux cycles and jQuery AJAX requests to grep data through Rails backend and PostgreSQL DB.

Now You (Don't) See Me | [live](#) | [github](#)

2016

- Chrome extension utilized JS/Chrome API to save tabs to bookmarks, reopen them with another click.

>EDUCATION

Master of Science in Electrical Engineering, University of Pennsylvania

2010

- Coursework: Algorithms, Databases + Information Systems, OOP Techniques

Bachelor of Science in Electrical Engineering, National Chiao Tung University

2006

>LEADERSHIP AND AWARDS

Certificate for AWS Cloud Architect, Udacity Nanodegree | [link](#)

2021

Certificate for Oracle DB Associate, Oracle University | [link](#)

2014

President of Taiwanese Student Association, University of Pennsylvania

2009 - 2010

Provost Sergeant in Military Police, Taiwan Army

2006 - 2007

1st place of Sih-Yuan Creativity Contest, National Chiao Tung University

2006