VICTOR **LIN**

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LinkedIn: 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