

Louis Lin

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Experience

- **Proofpoint** Sunnyvale, CA
Security Research Intern *Jan. 2018 - Present*
 - **Logo Detection:** Implemented computer vision and deep learning algorithms to detect customer logos in fraudulent websites, resulting in a new feature in production.
 - **Web Scraper:** Automated the retrieval of app information from 100+ mobile app stores. Processing 1,000,000+ apps in parallel using multiple Docker containers.
 - **Analyst Portal:** Built a web portal for Proofpoint analysts to research web domain information. Leveraged internal API endpoints to create useful functionalities and workflows.
- **Kohl's** Milpitas, CA
Software Engineer Intern *Jun. 2017 - Aug. 2017*
 - **Visa Checkout:** Created RESTful APIs to conduct online purchases with Visa Checkout. Implemented single sign-in feature for guest users, which resulted in 22% faster checkout times.
 - **Social Gallery:** Redesigned the interface of Kohl's Social Gallery to increase user engagement and accessibility.
- **Hewlett Packard Enterprise** Cupertino, CA
Software Engineer Intern *Jun. 2016 - Sep. 2016*
 - **Encryption:** Implemented a proof of concept to extend HPE format-preserving encryption for global enterprises. Automated unit testing and system testing for all code produced.
 - **Project Fair:** Awarded 2nd Place Best Technical Presentation (out of 26) at the Intern Project Fair. Presented my encryption proof of concept.
- **Step Ahead Solutions, Inc.** Cupertino, CA
Web Developer Intern *Mar. 2015 - Sep. 2015*
 - **Web Portal:** Lead developer responsible for system design and implementation. Built a Django web application to simultaneously manage servers from multiple cloud providers. Made smart design decisions that helped my team bring the system into production.

Projects

- **Musical Casual Creator:** Songwriting tool using machine learning to suggest lyrics and music based on user input.
- **SCU Course Equivalency:** Web application for Santa Clara University faculty advisors to track course equivalencies.
- **Movie Recommendation System:** Instance-based classifier that predicts movie ratings using user data. Combined various collaborative filtering algorithms and techniques to optimize accuracy. Ranked top 10 in class competition.
- **Web Cache Server:** HTTP web proxy server to cache web content requested by a browser.

Skills

- **Languages:** Python, Java, JavaScript, HTML5, CSS, PHP, SQL, C++, C
- **Experience with:** AngularJS, Flask, Django, MySQL, Oracle DB, OpenCV, Jupyter, TensorFlow, Cassandra, Bootstrap
- **Tools used:** Git, Jenkins, JIRA, Subversion, Gerrit, Docker, Vim, GDB, Google Test, Postman, Headless Chrome

Education

- **Santa Clara University** Santa Clara, CA
B.S. in Computer Science & Engineering; GPA: 3.78 *Sep. 2014 - Jun. 2018*
 - **Honors:** *Magna Cum Laude*, Dean's Scholarship, Tau Beta Pi (Engineering Honor Society)
 - **Coursework:** Software Engineering, Web Infrastructure, Database Systems, Computer Networks, Operating Systems, Data Structures, Machine Learning, Compiler Construction, Computer Architecture