

KEVIN LIN

STUDENT + FULL-STACK WEB AND MOBILE ENGINEER

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EDUCATION

RICE UNIVERSITY | ELECTRICAL AND COMPUTER ENGINEERING + COMPUTER SCIENCE | HOUSTON, TX

2014 - 2018 | 3.86 GPA | SCHOOL OF ENGINEERING FULL TUITION SCHOLARSHIP

- EE** Computer Vision and Its Applications, Implementation of Digital Systems, Computer Systems Architecture, Signals and Systems, Random Signals, Digital Logic Design, Electronic Materials and Quantum Devices, Physical Electronics, Intro to Neuroengineering, Fund Electrical Engineering I and II, Fund Computer Engineering
- CS** Computer Networks, Web Development, Computing Systems, Parallel Programming, Advanced Object-Oriented Programming, Computational and Algorithmic Thinking

EXPERIENCE

PINTEREST | SOFTWARE ENGINEERING INTERN | SAN FRANCISCO, CA

SUMMER 2017 | STARTING NEXT SUMMER



UBER | SOFTWARE ENGINEERING INTERN | SAN FRANCISCO, CA

SUMMER 2016 | WEB PLATFORM TEAM



Re-architected backend infrastructure for Uber's internal private Node (NPM) registry, migrating from an in-memory Redis cache of data on AWS S3 to a searchable, persistent, and highly scalable Elasticsearch index.
Designed and implementing a Node.js React-Redux web application for browsing internally published NPM packages.

YELP | SOFTWARE ENGINEERING INTERN | SAN FRANCISCO, CA

SUMMER 2015 | CONSUMER WEB TEAM



Designed and built an email campaign system to increase review from users who order off Yelp Platform.
As a side project, developed an internal command line interface for developers to order coffee from the Yelp café.
Redesigned and implemented a new user interface for Yelp's business photos uploader.

PROJECTS

MODERN PASTE

2016 | WEB | PYTHON, FLASK, MYSQL, JINJA2, JAVASCRIPT, SASS

www.modernpaste.com

[www.github.com/LINKIWI/modern-paste](https://github.com/LINKIWI/modern-paste)

Developed and currently maintaining a feature-rich, open-source Pastebin alternative for self-hosted deployments based on a Python backend with Flask and MySQL and a robust frontend interface with Jinja2, jQuery, the Google Closure library and compiler, Sass, and others. Actively working with the Infrastructure Team at the Fedora Project, which has deployed Modern Paste for internal usage.

SIGNAUTH | HACK THE PLANET | MOUNTAIN VIEW, CA

2015 | WEB, SENSEL | PYTHON, FLASK

[www.github.com/LINKIWI/sign-auth](https://github.com/LINKIWI/sign-auth)

Designed and implemented a method of two-factor authenticating web applications by validating raw multi-point pressure, position, and velocity inputs from the Sensel Morph using real-time accuracy detection algorithms; featured on the official [Sensel developers website](#).

SECURETAP | HACK RICE - BEST HARDWARE HACK | HOUSTON, TX

2015 | ANDROID, WEB, ARDUINO | JAVA, PYTHON, PROCESSING

[www.github.com/LINKIWI/secure-tap](https://github.com/LINKIWI/secure-tap)

Built an Arduino-controlled RFID card authentication system, powered by a Flask web app and managed remotely with an Android app that controls card authentication access and user accounts.

MIND VERSUS MIGHT | HACK PRINCETON - BEST USE OF MUSE API | PRINCETON, NJ

2015 | ANDROID, ARDUINO, MUSE HEADBAND | JAVA, PROCESSING

[www.github.com/Abhipray/MindVsMuscle](https://github.com/Abhipray/MindVsMuscle)

Wrote software for a robotic arm-wrestling game controlled by the player's brain waves. Raw EEG data is sent via Bluetooth to an Android app, which processes and sends data remotely to an Arduino controlling a motor on a custom-built arm-wrestling mechanism.