KEVIN LIN

STUDENT + FULL-STACK WEB AND MOBILE ENGINEER

✉ kevinlin@rice.edu
☎ 661 312 1386
➤ 6360 main st, houston, tx 77005

🌐 kevinlin.info
⌂ /LINKIWI

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

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   www.modernpaste.com
2016 | WEB | PYTHON, FLASK, MYSQL, JINJA2, JAVASCRIPT, SASS   www.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

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

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

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

MOBILE MANAGER FOR CLOUDFLARE   www.cloudflaremanager.com
2014 | ANDROID | JAVA, CLOUDFLARE API   www.github.com/LINKIWI/mobile-manager-for-cloudflare

Developed and actively improving a native Android mobile application providing website administrators an interface for configuring CloudFlare's content delivery network options for their domains. The paid and free versions combined have 6000+ downloads.