

# KEVIN LIN

Student | Software Engineer

 Kevin.Y.Lin@rice.edu  
 klin1344.github.io  
 github.com/klin1344  
 linkedin.com/in/klin1344

## EDUCATION

### Rice University

B.S. Computer Science | 3.70 GPA

Houston, TX

Aug 2016 - Dec 2019

- **Awards:** Trustee Distinguished Scholarship & Walsh Engineering Scholarship Recipient, 2016 - 2020
- **Courses:** Database System Implementation, Data Science, Parallel Programming, Operating Systems

## EXPERIENCE

### Tableau Software

Seattle, WA

Software Engineer Intern | *Object Model Team*

May 2019 - Aug 2019

- Worked in C++ on compilers and database query plans for the Tableau Calculation Language
- Introduced a new, highly requested class of operators to the language that will ship in Tableau 2020.1
- Used Visitor Pattern to extend the lexer, parser, type-checker, and query pipeline to support new syntax

### Tableau Software

Seattle, WA

Software Engineer Intern | *Tableau Prep Team*

May 2018 - Aug 2018

- Developed a general-purpose telemetry library that enables feedback gathering on UI components
- Built an API in Java to connect to BigQuery and designed React/TypeScript higher-order components
- Implemented many bug fixes that have been shipped in Tableau Prep 2018.1.2 and 2018.2.1

### QRI International, LLC

Houston, TX

Software Engineer Contractor | *Corporate Analytics Team*

Aug 2017 - Apr 2018

- Assisted in the development of SpeedWise Portfolio Analysis (SPA), a new analytics web app
- Built REST API to query and aggregate data from MongoDB and GeoServer
- Used Leaflet in React to build mapping components that support spatial queries and dynamic styling

### QRI International, LLC

Houston, TX

Software Engineer Intern | *Corporate Analytics Team*

May 2017 - Jul 2017

- Developed and deployed qDCA, a new visualization platform: [qdca.qrigroup.com](http://qdca.qrigroup.com)
- Built a React/Redux-based frontend in JavaScript for decline curve visualization that supports charting, filtering, sorting, and a SSR gridview to improve client performance

## PROJECTS

### OwlSecurity | *CodeRED*

<https://goo.gl/AdxKhv>

- An Android app that turns any phone into an intelligent, image recognition-based security camera
- Winner for Best Use of IBM Watson at CodeRED 2016 and 3rd Place (\$1000) at Rice Elevator Pitch

### Cardify Flashcards

<https://goo.gl/BMxAtV>

- A full-fledged flashcard manager for Android that supports storing, editing, sorting, multi-delete options for databases of flashcards
- Features include a theme chooser, custom UI transitions, and flashcards exporting and sharing

## SKILLS

**Languages:** Java, C++, C, Python, JavaScript/TypeScript/ES6

**Technologies:** Node.js, React, Redux, MongoDB, SQL, Android SDK, Git, Unix systems