

KEVIN LIN

Student | Aspiring Software Engineer

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EDUCATION

Rice University

Bachelor of Science in Computer Science | GPA: 3.90

📅 Expected May 2020

📍 Houston, TX

- Trustee Distinguished Scholarship & Walsh Engineering Scholarship Recipient, 2016 - 2020
- Advanced Reasoning About Algorithms, Intro to Program Design, Algorithmic Thinking, Computational Thinking, Computer Engineering, Probability and Statistics

EXPERIENCE

QRI International, LLC

Software Engineer Contractor | Data Visualization Team

📅 August 2017 - present

📍 Houston, TX

- Building REST API to query data from GeoServer data warehouse
- Using Leaflet to build mapping component to visualize GeoServer data for SpeedWise Portfolio Analysis, a web app that automates well analytics

QRI International, LLC

Software Engineer Intern | Data Visualization Team

📅 Summer 2017

📍 Houston, TX

- Developed and deployed visualization and analytics platform: qdca.qrigroup.com
- Built a React/Redux-based frontend for decline curve analytics with charting, filtering, sorting, and SSR grid view functionalities
- Wrote custom Highcharts plugin to support drag-and-drop of chart plots
- Designed a MongoDB schema that minimizes data duplication

HACKATHONS

defBeats

Software Developer

📅 January 2017

📍 PennApps XV 2017

- Created a wearable device based on Raspberry Pi that performs real-time Fourier transforms to turn music into vibrations

MarsVars

Backend Developer & VR Designer

📅 November 2016

📍 MLH Prime 2016

- Winner for Top 7 Finalist
- A VR world built in Unity and running on the HTC Vive that utilizes socket.io to support real-time world alterations from a web frontend

OwlSecurity

Android Developer

📅 October 2016

📍 CodeRED 2016

- Winner for Best Use of IBM Watson and 3rd Place (\$1000) at Rice Elevator Pitch
- An Android app that utilizes IBM Watson and Google Cloud CV API to turn any phone into an intelligent security camera that automatically alerts authorities

PERSONAL PROJECTS

Alignr

Web Developer

📅 May 2017

📍 Published on personal site

- A web interface to perform DNA/RNA/protein sequence alignment that implements a dynamic programming solution

Kinematic Physics

Android Developer

📅 May 2015 - Aug 2015

📍 Published to Google Play

- An Android app that intelligently deduces the solvability of and calculates solutions to physics problems
- Features include the ability to solve both single and multi-dimensional kinematics problems

Energy City

Android Game Developer

📅 May 2014 - Aug 2014

📍 Published to Google Play

- A sprite-based game for Android built on top of LibGDX
- Features include a scoreboard, various difficulty levels, and smooth animations with custom assets

Cardify Flashcards

Android Developer

📅 Sep 2013 - Jan 2014

📍 Published to Google Play

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

SKILLS

Languages: Javascript/ES6 Python Java

Technologies: React/Redux MongoDB Node.js

Android SDK SASS Git Unix systems

Alexa Skills Kit