KEVIN LIN

Student | Software Engineer

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EDUCATION

Rice University
Houston, TX

B.S. Computer Science | 3.70 GPA
Aug 2016 - Dec 2019

- **Awards:** Trustee Distinguished Scholarship & Walsh Engineering Scholarship Recipient, 2016 - 2020
- **Courses:** Database System Implementation (Graduate), Data Science, Parallel Programming, Operating Systems, Advanced Algorithms, Web Development, Programming Languages

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
- Designed a new, highly requested class of operators that reduces language verbosity by over 75%
- Utilized Visitor Pattern to extend the lexer, parser, type-checker, and query pipeline to support new syntax and merged feature to production for shipping in Tableau 2020.1

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

Quantum Reservoir Impact
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

Quantum Reservoir Impact
Houston, TX

Software Engineer Intern | *Corporate Analytics Team*
May 2017 - Jul 2017

- Developed and deployed qDCA, a new visualization platform: *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://cutt.ly/0wdf4iv

- 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

defBeats | *PennApps XV*
https://cutt.ly/Dwdf8BE

- A wearable vest that helps deaf people experience music using real-time Fourier transforms
- Features a custom built vibration motor system built on Raspberry Pi

SKILLS

Languages: Java, C++, C, Python, JavaScript/TypeScript/ES6
Technologies: Node.js, React, Redux, MongoDB, SQL, Android SDK, Git, Unix systems