

Colin B. King

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EDUCATION

Rice University – Houston, TX

Expected May 2022

Bachelor of Science in Computer Science, Minor in Business

GPA: 3.93/4.0, President's Honor Roll

Relevant Coursework: Algorithms, Program Design, Advanced Object Oriented Design, Parallel Programming, Computer Systems, Tools and Models for Data Science, Computational Programming in Chemical Engineering.

TECHNICAL EXPERIENCE

CDK Global – Software Engineering Intern – Austin, TX

June 2020 – Present

- Implemented numerous features, tests, and bugfixes across multiple projects in an enterprise data platform.
- Wrote code in Java and PostgreSQL and became proficient with Spring, Liquibase, Docker, and Kubernetes.
- Integrated as a member of an engineering team using Agile development with Jira, Bamboo and Bitbucket.

Me.nu – Cofounder, Backend Developer – Houston, TX

April 2020 – Present

- Designed and built out backend for a mobile/web application projected to support hundreds of users (in Alpha).
- Implemented a REST API to interface with a Flask backend using MongoDB and Redis, deployed with AWS EB.
- Awarded Overall First Place at HackRice 9 and the “Best use of Data Science” award from Two Sigma.
- Negotiated with and interviewed local business owners, conducted market research to optimize product fit.

Rice University – Teaching Assistant – Houston, TX

August 2019 – Present

- Instructed and assisted students in the courses Introduction to Program Design, Fundamentals of Computer Engineering, and Computational Programming for Chemical Engineering.
- Provided feedback, graded students' code submissions/assessments, and addressed individual student needs.

Anadarko Petroleum Corp. – Production Engineering Intern – Midland, TX

May 2019 – August 2019

- Developed and implemented a chemical batch treatment plan to save Anadarko over \$2 MM annually.
- Designed and wrote the official standard operating procedure for batch treatments in the Delaware Basin.

PROJECTS

Course Evaluation Analytics – Rice Datathon 2020 Overall First Place, github.com/colinbking/riceDatathon2020

Created a tool for Rice University's office of the registrar to gauge instructor and course effectiveness by extracting metrics from 20 years of student comments.

Aware – PennApps XX, devpost.com/software/aware-2xhw9b

An Android App for inter-vehicle communication to promote road safety by allowing drivers to send their intended course of action via speech. Hands free interface using Google Speech and Firebase.

Nest – HackRice 8.5 Overall First Place, <https://devpost.com/software/nest>

Gamifying the college experience by using geofencing to log progress toward real life achievements.

SKILLS

Languages and Technologies: Python, Java, C, MATLAB, SQL, AWS (EC2, EB), Apache Spark, MongoDB, Flask

Language Skills: English, Chinese (Mandarin), Korean

Familiar with Agile development practices

LEADERSHIP AND ACTIVITIES

Private Computer Science Tutor

- Taught clients CS principles including algorithms/data structures and program design via project-based learning.

Rice Society of Asian Scientists and Engineers (SASE) – President

- Lead as president to aid members professional development and foster cross institutional collaboration.
- Organized networking events, technical development events, and the SASE national conference trip for Rice SASE.

Baker College – Spirit Event Chair

- Managed a \$10,000 budget to organize events serving over 350 people and lead a student committee.