Colin B. King

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EDUCATION

Rice University – Houston, TX   May 2022
Bachelor of Science in Computer Science, Minor in Business
GPA: 3.92/4.0, 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.

EXPERIENCE

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.
- Redesigned and optimized the batch treatment schedule for all Delaware Basin operations.
- Developed current official standard operating procedure to schedule batch treatments.

Rice University – Teaching Assistant– Houston, TX   August 2019 – Present
- Instructed and assisted students in the courses Fundamentals of Computer Engineering and Computational Programming for Chemical Engineering.
- Provided feedback, graded students' code submissions and addressed individual student needs.

Baylor College of Medicine, Bissig Lab – Research Assistant – Houston, TX   June 2017 – August 2017
- Collaborated with Dr. Pankowicz to synthesize gRNA constructs to target genes *Agt* and *DDC*.
- Lead two projects regarding metabolic pathway reprogramming with CRISPR/cas9 in vivo.

PROJECTS

Me.nu – HackRice 9 Overall First Place, *github.com/colinbking/me.nu*
A web app that recommends users what to order at restaurants based on preferences, past experiences, and highly rated items on other platforms. Also won Two Sigma's *Best Use of Data Science* challenge.

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), Apache Spark, Spotfire (basic)
Language Skills: English, Chinese (Mandarin), Korean

LEADERSHIP AND ACTIVITIES

Rice Society of Asian Scientists and Engineers (SASE) – President
- Lead as president to aid members professional development and foster cross institutional collaboration.
- Organized the SASE national conference trip, networking events, and technical development events.

Baker College – Spirit Event Chair
- Managed a $10,000 budget to organize events serving over 350 people and lead a student committee.