

Colin B. King

(346) 874-8803 | cbk1@rice.edu | [linkedin.com/in/colinbking](https://www.linkedin.com/in/colinbking) | github.com/colinbking | colinbking.com

EDUCATION

Rice University – Houston, TX

Expected May 2022

Bachelor of Science in Computer Science, Minor in Business

GPA: 3.94/4.0, President's Honor Roll

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

TECHNICAL EXPERIENCE

CDK Global – Software Engineering Intern – Austin, TX

June 2020 – August 2020

- Implemented numerous features, tests, and bugfixes across multiple projects in an enterprise data platform.
- Pushed code in Java and PostgreSQL to production; became proficient with Spring Boot, Liquibase, and Docker.
- Improved a legacy API by implementing an asynchronous, reactive version with Spring Webflux and Reactor Kafka.
- Developed Agile skills as a member of a backend engineering team using Jira, Bamboo, Confluence, and Bitbucket.

Me.nu – Co-founder, Backend Developer – Houston, TX, eatwithmenu.com

April 2020 – Present

- Designed and built out backend for a mobile/web application projected to support hundreds of users.
- 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 in CS/ELEC– Houston, TX

August 2019 – Present

- Instructed and assisted students in the following courses: Introduction to Program Design (Java, Python), Fundamentals of Computer Engineering (C), and Computational Programming for Chemical Engineering (MATLAB).
- 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

Roomy – PennApps XXI, Top 10, devpost.com/software/aware-2xhw9b

Developed a web app providing online themed rooms where users interact remotely. Features live updating user statuses, widgets that sync in real time, and Zoom/Spotify integration. Built out the backend with Flask/Postgres.

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. Focused on Model creation and data visualization.

Nest – HackRice 8.5 Overall First Place, devpost.com/software/nest

Built an IOS app gamifying the college experience, using geofencing to log progress toward real life achievements.

SKILLS

Languages/Technologies: Python, Java, C, MATLAB, SQL, Spring Boot, Liquibase, MongoDB, Flask, AWS (EC2, S3, EB, RDS), GCP (App Engine, CloudSQL), StreamSets, Redis, Docker, Kubernetes, Jira, Bamboo, Kafka (Limited), Apache Spark (Limited)

Familiar with Agile development practices and RESTful API design

Language Skills: English, Chinese (Mandarin), Korean

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 by organizing the SASE national conference trip and technical development/networking events.

Baker College – Spirit Event Chair

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