

# Ishan Kamat

(281) 949-8189 | ishan@rice.edu | 6425 Brompton Rd, Houston TX 77005

## EDUCATION

**Rice University** - Houston, TX

**Graduation** May 2023

- **Bachelor of Arts Computer Science**
- **Minor** Entrepreneurship

**GPA** 3.9 / 4.0

## EXPERIENCE

**Rice University** - Teaching Assistant - Houston, TX

**Fall 2022**

- Will be holding office hours and grading for an introductory program design course taught in Java

**Plaid** - Software Engineering Intern - New York City, NY

**05/2022 - 08/2022**

- Designed and implemented webhooks to notify Recurring Transactions customers about data availability
- Developed analytical logging functionality for Investments Post Processor to streamline failure metrics
- Improved code coverage through unit testing suites across Python, Golang, and TypeScript monorepos
- Worked alongside engineering and product team members to create features informed by customer needs

**ServiceNow** - Software Engineering Intern - Remote

**05/2021 - 08/2021**

- Implemented necessary features for v1.0 of the Digital Portfolio Management product for enterprise customers
- Created user interface components using JS and HTML/CSS to display indicators of digital asset performance
- Developed data collection scripts and endpoints for the ServiceNow platform backend using JS and Java
- Committed 14,000+ lines of code through Git to the project's main branch over 10 Agile user stories
- Collaborated with full-time engineers, designers, and managers to build solutions for product-scale issues

**IBM** - Data Science Intern - Remote

**06/2020 - 08/2020**

- Built comprehensive models to quantify trends across millions of data points using Watson APIs
- Developed sentiment analysis/NLP routines with Python/NLTK to process user-generated content
- Worked under the supervision and mentorship of senior engineering team members
- Summarized findings in a cumulative presentation to managers alongside a data-centric final report

**The University of Texas at Austin** - Web Developer - Austin, TX

**01/2020 - 08/2020**

- Developed tools to automate WordPress backend maintenance tasks using Python in a Linux environment
- Created web apps for institutional research projects with JS/jQuery, Vue.js, React, and HTML/CSS

## PROJECTS

**SnackStocker** - Team Lead / Computer Vision Specialist

- Organized and led a team to develop a system to track snack availability throughout an office space
- Wrote an IoT application using Python/OpenCV to detect/recognize multiple types of snacks from a video feed
- Created a mobile app using React Native to interface with a Firebase backend and show live snack stocks
- Won Top 8 in the summer ServiceNow Hackathon along with a generous prize

**Econle** - Developer

- Created a Wordle-inspired daily game where players attempt to guess the economy of the day within 6 tries
- Designed a custom interface using HTML/CSS with JS/jQuery and published code to be hosted on GitHub Pages

## ACTIVITIES

**Rice Science Olympiad** - Event Manager

**11/2021 - 01/2022**

**Rice Honor Council** - College Representative

**02/2021 - 02/2022**

**Rice Effective Altruism** - Fellow

**09/2020 - Present**

**Rice CS Club** - Member

**08/2020 - Present**

## HONORS & AWARDS

- President's Honor Roll
- ServiceNow Hackathon Top 8
- Engineering Excellence Award
- Cum Laude Society
- Eagle Scout

## SKILLS

**Languages** Python, C, Java, Golang, JS, TypeScript, Dart, HTML/CSS

**Frameworks** Flask, React, gRPC, OpenCV, NLTK, NumPy

**Databases** SQL, Redshift, Kinesis, Peewee, KeyStore

**Platforms** Linux, Android, Windows, iOS

**Tools** Git, Vim, PyCharm, GoLand, Maven, Eclipse, GDB

## COURSEWORK

- Adv. Object-Oriented Programming
- Computer Systems
- Parallel Programming
- Compiler Construction
- Machine Learning Applications