


Vivek Rajkumar

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EDUCATION










BS in Computer Science, BPhil in Psychology, BA in Philosophy, *University of Pittsburgh*

2019 – 2024

Minors in Economics and English Literature

GPA: 4.0/4.0

Distinctions in Learning Sciences  and Sustainability 

- **Relevant Coursework:** Data Structures and Algorithms, Software Quality Assurance, Web Applications, Cloud Computing, Data Science, Artificial Intelligence, Machine Learning, Deep Learning, Computer Vision, Practical AI, Bias and Ethical Implications in AI
- **External Certifications:** Build Websites from Scratch,  Build Front-End Web Apps from Scratch,  Build Web APIs from Scratch,  React,  Test-Driven Development,  Blockchain Developer,  AWS Certified Cloud Practitioner,  Introduction to Rust,  AWS Certified AI Practitioner 

PROJECTS

Mobile App: UnderTone 


- Used React Native to create the front-end for a natural language processing-based mobile app designed to help non-native speakers of English understand how their English-language text messages might come across to others.

Mobile App: Mobile Flashcards 


- Used React Native to create a mobile app which allows users to create and quiz themselves on the contents of flashcard decks.

Web App: Jammming 


- Used React to create a web app which integrates with the Spotify API to create and save music playlists to your Spotify account.

Web App: Would You Rather? 

- Used React to create a web app which allows users to play the "Would You Rather?" game in their browsers.

Web App: U-Stories 

- Used Flask and Python to create a GCP app that allows users to collaboratively read and write short stories.

Website: Colmar Academy 

- A responsive website for an imaginary educational institution written entirely from scratch using HTML, CSS, and JavaScript.


EXPERIENCE

Undergraduate Teaching Assistant, *University of Pittsburgh School of Computing and Information*


01/2020 – 05/2023

- Served as a teaching assistant for CMPINF 0401 Intermediate Programming, CS 0445 Data Structures & Algorithms 1, CS 1501 Data Structures & Algorithms 2, and CS 1520 Web Applications.
- Conducted weekly recitations and office hours, graded student assignments, and aided instructors with curriculum integrity and design.

AWARDS & HONORS


Phi Beta Kappa (Distinguished Junior Member), *Xi Chapter of Pennsylvania, University of Pittsburgh* 


04/2022 – present

- One of **four** undergraduate juniors who earned induction into Pitt's chapter of ΦBK. 

Chancellor's Undergraduate Research Fellowship, *University of Pittsburgh Frederick Honors College* 


08/2023 – 12/2023

- One of **ten** recipients of a financial award used to help continue my climate-related ML research .



SCI Summer Scholar, *University of Pittsburgh School of Computing and Information* 

05/2023 – 08/2023

- One of **two** recipients of a financial award used to support a research project on using artificial intelligence and machine learning to assess and mitigate the effects of anthropogenic climate change.

Brackenridge Fellowship, *University of Pittsburgh Frederick Honors College* 

05/2022 – 08/2022

- One of thirty-six recipients of a financial award used to support a research project  investigating the relationships of event-related potentials (ERPs)  to reading comprehension processes.

TECHNICAL SKILLS

Languages: Python, TypeScript, HTML, CSS, Java, Rust, Ruby, Go, Solidity, R, SQL, GraphQL

Libraries and Frameworks: React, Redux, Next.js, React Native, Angular, Vue, Nuxt, Ember, SvelteKit, Node, Flask, Express.js, Django, Rails, Bootstrap, Tailwind, Materialize, Mocha, Chai, Jest, Cypress, Detox, JUnit, Seaborn, D3.js, PyTorch, TensorFlow

Miscellaneous: Amazon Web Services, Google Cloud Platform, Docker, Kubernetes, PostgreSQL, MongoDB, Jenkins, GitHub Actions, Webpack, Babel, Grunt, Gulp, Ethereum Virtual Machine (EVM)