

Samyukta Iyengar

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SKILLS

- Proficient in C++, Python, Golang, Java, R, HTML/CSS, JavaScript, and SQL
- Experienced in front-end and back-end development, object-oriented programming, website development, data visualization, and digital design

EXPERIENCE

Present

Software Engineer II at Akamai Technologies, Inc.

- Developed OpenAPI specification and generated client code for orchestration API service, enhancing job management capabilities and enabling seamless database integration for efficient task execution

Summer 2022

Software Engineering Intern at Splunk Technology, Inc.

- Designed robust CI/CD pipeline schedule manager for GitLab, resulting in automated creation, deletion, and updates of test runs instead of manual runs, thus increasing developer productivity
- Collaborated with 10-member team to gather requirements and critical feedback during various stages of design and implementation
- Produced comprehensive design document detailing the project's goal and functionalities, which served as a valuable reference for project stakeholders, ensuring clear understanding and alignment throughout the development process

Summer 2021

Technical Program Manager Intern at Akamai Technologies, Inc.

- Designed and created dashboard using Javascript and D3 library that provided detailed visuals on weekly IP scan progress, increasing visibility into security progress and allowing for improved performance benchmarking
- Developed auto-update algorithm to showcase the long-term impact of the project
- Revised and enhanced dashboard capabilities by conducting routine IP scans and hosting regular feedback sessions, further improving program's accuracy and efficiency

PROJECTS

University of Michigan - Projects Implemented in Python & C++

- Designed and built interactive Instagram-inspired platform utilizing server-side HTML templates and dynamic client-side pages, allowing for functionality such as liking, commenting, and registering users
- Created pixel asteroids game, utilizing JavaScript, HTML, and CSS, demonstrating proficiency in integrating front-end technologies to deliver a visually detailed and interactive gaming experience
- Trained n-gram-based probability model which ingests song data from Taylor Swift's discography, showcasing the ability to produce new songs, titles, and album art based on starting words and a specialized image dataset

Police Misconduct: Creating an Official Database

- Engineered algorithm to track incidents of police brutality and misconduct across different digital media platforms, feeding results into a comprehensive database displayed on an interactive web platform
- Synthesized SQL, HTML, CSS, and JavaScript to create user-friendly and efficient website, while integrating feedback from regularly conducted user surveys to refine usability and performance

EDUCATION

2019 - 2023

UNIVERSITY OF MICHIGAN - College of Literature, Science, and the Arts

Bachelor of Science in Computer Science, Bachelor of Science in Cognitive Science

ADDITIONAL

- Social Media Committee Chair & Technology Committee member for Alpha Kappa Psi Professional Business Fraternity
- Media Manager & UX Designer for CHISL Design Consulting Club
- Digital Designer for Consider Magazine
- Feature Writer for SHEI Magazine
- Women in Leadership Conference Committee Member for Society of Women Engineers
- Black belt in Tae Kwon Do