Vishal Sriram

vishl.sriram@gmail.com ❖ vishalsriram.com ❖ (732) 662-8207 ❖ San Francisco, CA ❖ US Citizen

EDUCATION

University of Illinois at Urbana-Champaign   **May 2022**
B.S. Computer Science | Statistics Minor   *James Scholar | Dean's List | GPA: 3.95*

University of Illinois at Urbana-Champaign   **May 2022**
Master of Computer Science   *GPA: 4.0*

SKILLS

- **Languages:** Python, C++, C, Java, JavaScript/TypeScript (React), HTML/CSS, R
- **Technologies:** SQL, MongoDB, Bash, Kernel Development, Spark, Hive, Hadoop, CUDA, AWS (CCP Certified)

EXPERIENCE

Ironclad   **Feb.2022 – Present**
Senior Software Engineer   *San Francisco, CA*

- Developed and implemented new process metrics in Ironclad to enhance users' ability to measure success, productivity, and speed of contracting.
- Designed and implemented a unified, human-readable identification system in Ironclad. Replaced separate UUIDs for different entity classes with a unified lookup system, simplifying access and improving functionality.
- Led a cross-functional team to create a tool enabling users to manipulate their data schema and its metadata, which facilitated user led data cleanup and provided users enhanced metadata metrics about their schema.
- Designed & lead development of a real time event stream processing system utilizing Redis, Red Panda, and Postgres to power event tracking across the platform, which will power several new product features.

Amazon Web Services   **May 2021 – Aug. 2021**
Software Development Engineering Intern   *Seattle, WA*

- Designed and developed a playground for the AWS Organizations Widget, interfacing with designers, as well as engineers from within and outside our team to design a new custom solution.
- Built an extensible solution using TypeScript and React by applying OOP and modular design and simplifying the UI/UX for internal customers to speed up integration of widget in other AWS services.
- Deployed a hosted CI/CD solution using S3, Lambda, and CloudFront to keep the application updated as new changes are pushed to the widget to maintain synchronization with production package automatically.

Synchrony Financial   **Jan. 2020 – Dec. 2021**
Emerging Technology Intern   *Urbana, IL*

- Led a team of 12 developers to develop a blockchain Proof of Concept within the pet insurance space to simplify the customer experience and improve operational efficiency (**Provisional Patent Filed**).
- Developed an MVP for a new product platform from the ground up within the employer healthcare space to make it easier for consumers to pay for healthcare services (**Provisional Patent Filed**).
- Deployed a Python script to automatically manage customer CCPA requests, streamlining the approval process and eliminating manual processing, saving over 500 man-hours annually.

Real Time Embedded Systems Lab   **Feb. 2019 – May 2020**
Research Assistant   *Urbana, IL*

- Developed a module for a UAV to gather images from camera systems during flight as well as an OpenCV powered module to stitch images and perform analysis using flight geometry and sensor information.
- Designed task prioritization for UAV to enable onboard image processing without compromising power delivery to critical components through analysis of sensor readings and flight path.

PROJECTS

AI Powered Music Genre Detection | AI Hackathon @ NCSA   **Dec. 2019**

- Developed a model using Machine Learning techniques to classify music into 16 genres given raw audio input, and a preprocessing script to extract important features through PCA and other feature engineering techniques
- Trained the CRNN with a residual layer on approximately 900 GB of data on the HAL supercomputer at NCSA@Illinois, and achieved 40~50% accuracy