Samuel Kirby

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Well-rounded SDE II with strong communication skills, high emotional intelligence and management career path. Comfortable with agile/scrum, managing ambiguity and intrapreneurial projects. Seeking roles in software engineering or product analysis with collaboration and backend teamwork. Passion for fitness and self-improvement.

Experience

Software Engineer, LivePerson   **February 2021 - October 2022**
- Co-inventor, "Conversational AI Talent Acquisition System", patent-pending
- Developed and launched cloud native NLP based conversational recruiting product (React and GCP)
- Developed recognition and classification models (Google Vertex and Python), improving user efficiency by 20%+
- Played Eng Lead from MVP to Beta and automated back-end FaaS and customer-facing product pages (React)
- Followed and Assisted Principal Engineers to optimize algorithm speed with 5-6x speed improvement on average
- With Senior Data Eng oversight, developed monitoring and analytics for internal product teams (React, Flask, and GCP)
- Developed monitoring and analytics for internal product teams with data engineer oversight (React, Flask, and GCP)
- Managed team git repo, controlling versioning and handling pull requests from fellow engineers

Conversational AI Engineer Intern, LivePerson   **July 2020 - January 2021**
- Recruited from 2nd year of college to join innovation team at publicly traded technology firm LivePerson (NASDAQ:LPSN)
- Reverse-engineered legacy company code into a modernized no-code chatbot builder (Python, React)
- Collaborated with UX / Design to redesign front-end of internal company site (JavaScript, React)
- Modernized and migrated colo-based bot services to Google Cloud; remade API endpoints (REST, React and Flask)
- Conducted user research with customers and stakeholders to scope AI-powered recruiting functions, representing the engineering team

Research Assistant, RIT Center for Cyber Security   **October 2019 - March 2020**
- Subcontracted to Tor Project to patch website fingerprinting security flaws in the Tor Network
- Implemented machine learning model GrowingGAN by NVIDIA, repurposing model for network trace data (Tensorflow)
- Supported privacy research team to discover low overhead methods to obfuscate malicious web tracking
- Presented findings and recommendations to senior cross-functional and cross-organizational team at events

Education

Rochester Institute of Technology, Computer Science, GCCIS   **2017 - 2021**
- HackDartmouth Team Lead & 2019 Winner, *"Lil' Lexie", NLP rap-bot AI Alexa Skill* (Python, Flask, AWS Lambda)
- Board Member, RIT Artificial Intelligence Club
- Independent Study: Created a recurrent neural network for predictive text for "Game of Thrones" novels (Python)
- Developed specialized expertise in cloud-native NLP
- *Relevant Coursework: Cybersecurity, Web & Mobile Design, Data Structures and Algorithms*

Technical Skills

Languages	Frameworks	Infrastructure	Services / Other
Python, JavaScript, HTML, CSS, Java	NodeJS, ReactJS, Flask, Firebase, Supabase, MongoDB, PostGres	GCP, AWS, MongoDB	Docker, Postman, Git, Unix Shell