Nicole Russack

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www.linkedin.com/in/nicolerussack | https://nicole-russack.github.io/MyWebsite| https://github.com/nicole-russack

EDUCATION

University of Southern California | GPA 3.83 Los Angeles, CA
Bachelor in Computer Science and Business Administration Aug 2020-May 2024
Master in Computer Science Aug 2023-May 2024
Awards: Dean's List USC (2022, 2021, 2020), USC CURVE grant recipient for ML research (2021), USC Presidential Merit Scholar
Relevant Coursework: Software Engineering, Data structures and Object-Oriented Design, Principles of Software Development, Introduction to Algorithms, Introduction to Artificial Intelligence, Linear Algebra.

SKILLS

Programming Languages: C++, React / React Native, Java, Ruby, JavaScript, Python, Swift, HTML5, CSS, Kotlin, SQL
Frameworks: AWS, Django, Pandas, Flask, MATLAB, Ajax, Jupyter Notebook, Express, Google Cloud, NodeJS

EXPERIENCE

Amazon - Software Engineer Intern May 2022-Aug 2022
- Developed integration tests to automate test coverage of critical functionality for PIX utilizing Kotlin.
- Spearheaded team initiative of payment system automation to transform **2-week** developer time into a **30-minute** pipeline.
- Authored and presented a comprehensive plan for improvement and implementation.

USC Center for AI in Society - Research Fellow Aug 2021-Present
- Devised frontend to allow users' geographical object placement and GeoTIFF topological data.
- Applied React, Mapbox, Ajax, Python, and GDAL to analyze locational data and display model findings.
- Lead a team of students to improve machine learning models to process more significant amounts of data in new formats.

Versatile AI (a Series B startup) - Software Engineer Intern Sep 2021-May 2022
- Developed algorithm to predict number of workers operating a construction lift cycle with **86%** accuracy.
- Utilized Python functionality reading from Azure database with Pandas and SQL, and AWS Sagemaker image processing.
- Decreased runtime from **120** seconds to **20** seconds using functional programming.

Projects

Personal Website ● Github Summer 2022
- Employed ReactJS framework and CSS styling to create a dynamic web application that showcases personal portfolio

SunnySideUp | *Winner - Best Android Project in CSCI-310 Class* ● Github January 2022-May 2022
- Collaborated with team to deploy a delivery mobile application allowing customers to order drinks, track orders, and view data.
- Leveraged native Android GPS, Google Maps, Firebase, and network APIs, with a Java frontend and backend.

VibeCheck | *Runner up - Best use of Google Cloud USC HackSC Hackathon* ● Github January 2022
- Partnered with students to create a webpage that analyzes users' Instagram to determine performance metrics.
- Implemented using React and Python with express servers to handle Axios post calls to Google Vision API and Meta API.

ScopeCup | ● *Runner up - Best Hackathon Project* ● Github December 2021
- Designed a webpage to allow Scope club members to view their team points and lunch buddy.
- Constructed using HTML/CSS frontend, Python backend, Figma Design, and Firebase database.

Leadership and Involvement

SCOPE, USC - Director of Curriculum - Taught a cohort of **40+** selected USC students Node.js and React Native by leading weekly lessons and creating lesson plans which culminated in a semester-end hackathon.
Spark, USC - Head of Start-Up Career Fair - Led a team of students to launch the largest start-up career fair at USC, with over **600** student attendees and a revenue of **$2000+** for USC's premier entrepreneurial organization.
USC CSCI 104 Course Producer - Hosted office hours, led labs, and graded assignments for **350+** students in CSCI 104: Data Structures and Object Oriented Design course taught in C++.

Interests - Running, Cooking, Entrepreneurship, Hedgehogs, Yoga, Pickleball, Triathlons, Crocheting, Transit