

# Nicole Russack

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New York, NY | 10013 | (646) 629-6335

[nicolerussack@gmail.com](mailto:nicolerussack@gmail.com) | [www.linkedin.com/in/nicolerussack](https://www.linkedin.com/in/nicolerussack) | <https://tinyurl.com/NRusGithub>

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## Education

**University of Southern California** | Bachelor in Computer Science and Business Administration | GPA: 3.83 | Los Angeles, CA | August 2020-May 2023

**Awards:** CURVE Researcher, USC Presidential Merit Scholar, USC Viterbi Dean's List

**Relevant Coursework:** Software Engineering, Data structures and Object-Oriented Design (C++), Principles of Software Development (Java), Introduction to Algorithms, Introduction to Artificial Intelligence (Python)

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## Skills

**Languages:** React JS, Java, JavaScript, R, Python, C++, Swift, HTML5, CSS, NodeJS, Kotlin, SQL

**IT:** Amazon Web Services (AWS), Distributed Systems Management, Linux System Administration, MATLAB

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## Experience

**Software Engineer Intern at Amazon** | May 2022- Aug 2022

Created integration tests to automate test coverage of critical functionality for PIX • Utilized Kotlin • Lead upcoming team initiative of automation • Turned 2-week developer time into a 30-minute pipeline

**Research Assistant - USC Center for AI in Society** | Aug 2021- Present

Developing function map frontend and backend to display best camera trap placement and analyze user input • Utilized React, Mapbox, and Python to display model finding

**Software Engineer Intern - Versatile AI** | Sep 2021-Present

Developed algorithm to predict the number of workers in a lift cycle • Python functionality with SQL, Sagemaker, and image processing • Has a 75% accuracy and decreased runtime from 120 seconds to 20 seconds

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## Projects

**SunnySideUp** | January 2022-May 2022 • *Winner - Best Android Project in CSCI-310 Class* • [Github](#)

Android Java App for allowing customers to order drinks, track orders and view order statistics and merchants to create restaurants, menus, and view order statistics • Utilized native Android GPS, Google Maps, Firebase, and network APIs, with a Java frontend and backend

**VibeCheck** | January 2022 • *Runner up - Best use of Google Cloud USC HackSC Hackathon* • [Github](#)

A webpage that allows users to enter their Instagram information to see what types of images perform the best based on location, color, and emotion • Uses Google Vision API, Meta API, React front end with a Python backend

**ScopeCup** | December 2022 • *Runner up - Best Hackathon Project* • [Github](#)

A webpage that allows users to view their club points, lunch buddies, and cycle through them • An HTML/CSS frontend with a Python backend, that uses Figma Design and firebase database

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## Leadership and Involvement

**SCOPE, USC - Head of Curriculum** - Teaching over 30 selected USC students new frameworks, creating curriculum and lesson plans. Have taught both Node.js and React Native

**Spark, USC - Head of Start-Up Career Fair** - Leading a team of students to create the largest start-up career fair at USC, projected to double profits and fair size

**USC CSCI 104 TA - Teachers Assistant** - Lead lab sessions, office hours and graded student assignments for Data Structures course taught in C++

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