

Leeon Israel

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Education

University of South Carolina College of Engineering and Computing

Columbia, SC

Bachelor of Science: Computer Informations Systems | Minor: Business Information Management

Expected May 2026

Major GPA: 4.0/4.0 | GPA: 3.6/4.0, Dean's List 2x, College of Engineering and Computing First-Generation Scholar

Activities and Societies: Theta Tau Zeta Delta Professional Engineering Fraternity

Relevant Coursework: Algorithmic Design I, II, Computing in the Modern World, Explore Engineering Computing, Linux/Unix

Fundamentals, Software Engineering, Web Applications, Computer Hardware Foundations, Advanced Programming Techniques (C++)

Technical Skills

Languages/Frameworks: Java, JavaScript, C++, Python, HTML, CSS, React.js, React Native, Bash, Node.js, Express.js

Others: MongoDB, Git, Nginx, Firebase, Postman, Bootstrap, RESTful API, ASP.NET Web API, Selenium, JSON, Unix, Figma

Professional Experience

Artificial Intelligence Institute at University of South Carolina

Columbia, SC

Artificial Intelligence Research Intern

September 2023 - Present

- Crafting React.js front-end application for mental healthcare artificial intelligence chatbot by scraping assessment data and programming intuitive interface application for improved symptom identification and user interaction
- Integrating JavaScript and Python for patient assessment by manipulating JSON files and leveraging them to artificial intelligence model, reducing evaluation time by 70% and achieving 95% accuracy rate in identifying critical issues
- Observing 450+ hours of graduate and PhD students conducting research on integration of machine learning technology and knowledge graphs through development and execution of functional research projects

Website Developer Intern

January 2023 - Present

- Designing and creating two+ new weekly webpages for institute's website while spending 20+ hours weekly using HTML, CSS, JavaScript, and Bootstrap, to promote projects and showcase institute's achievements
- Supervising maintenance and revision of institute's website by addressing requests in 90% success rate, increasing functionality and aesthetic appeal by implementing new code in 55% of the website

Empowered Buildings

New York City, NY

Full Stack Software Engineering Intern

June 2023 - September 2023

- Utilized Node.js to conduct data scraping techniques within Selenium and JavaScript to extract and update financial information from third party applications, reducing manual data entry time from users by 95%
- Implemented MongoDB to expertly manage and seamlessly connect 300,000+ data documents to custom React.js application, resulted in a substantial reduction of 40% in data retrieval time
- Developed custom RESTful API to fetch data from two MongoDB collections, using React.js to create user interface displaying 7,000+ nested API parameters in organized table with 10,000+ data documents, and efficiently routing between 12+ files

Early Career Exploration Programs

DE Shaw & Co.

Remote

Connect Fellow

September 2023 - September 2023

- Selected for exclusive two-day program, acquired knowledge for Quantitative Analyst and Software Developer Programs
- Engaged with 25+ DE Shaw employees and participated in 10+ conferences and meetings to gain exposure

HeadStart Fellowship

Remote

Technology Fellow

January 2023 - April 2023

- Participated in a selective program of 78 students from 600+ applicants to enhance problem-solving abilities and technical understanding through participation in student-led programming, workshops, and specialized events
- Acquired knowledge of potential career opportunities within the technology field through in-depth industry exploration and case study analysis with 5 weekly meetings and learning sessions with 1 on 1 mentors
- Expanded professional development with insight from 350+ cohort members by gaining exposure to various technical backgrounds, including software engineering, full stack software engineering, artificial intelligence, and data science

Projects

Instagram Clone Application – React.js, Firebase, CSS, Node.js, Chakra UI

December 2023 - Present

- Assembling a scalable post creation mechanism utilizing React.js and Firebase to support interactive functionalities such as comments, likes, and unlikes
- Optimizing feed performance through Firebase integration and data fetching strategies, resulting in 30% reduction in load times

Weather Application - React.js, CSS, Node.js

April 2023 - May 2023

- Integrated a public API to fetching real-time weather data for 4,000,000+ locations, updating hourly to provide accuracy
- Utilized React.js to create a responsive and performant interface, resulting in average page load time of less than 1.5 seconds