

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, Vite

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, 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 | [Demo](#) | [GitHub Repository](#)

React.js | Firebase | CSS | Node.js | Chakra UI | Vite

- Developed scalable Instagram clone, replicating the user interface and application functionality with over **10,500+** lines of code
- Implemented **React.js** and **Firebase-driven** platform enabling Google third-party login, post creation, post interaction, profile editing, search functionalities, and profile following

Weather Application | [Demo](#) | [GitHub Repository](#)

React.js | CSS | Node.js | ASP.NET Web API

- 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