

Israel Alcántara

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EDUCATION

New Jersey Institute of Technology – Ying Wu College of Computing

Newark, NJ

Bachelor of Science in Computer Science | GPA: 3.464

May 2026

Relevant Coursework: Data Structures & Algorithms | Programming Language Concepts | Information Design Techniques | Designing the User Experience | Foundation of Computer Science I | Intensive Programming in Linux | Introduction to Data Science | Database System Design & Management | Principles of Operating Systems | Introduction to Computer Networks | Probability & Statistics

KEY SKILLS

Programming Languages: Python, Java, C/C++, C#, Bash Script, HTML, JavaScript, CSS, Dart, SQL

Frameworks & Tools: Linux, Git, Google Colab, VS Code, Vim, IntelliJ, Eclipse, Flutter, Firebase, Node.js, MySQL

Libraries: Pandas, NumPy, Matplotlib, Scikit-learn, Plotly, Dash, Seaborn

Languages: Fluent in English and Spanish

EXPERIENCE

Office Assistant

Sept. 2024 – Present

Educational Opportunity Program (EOP) - NJIT

Newark, NJ

- Spearheaded office operations and student engagement by efficiently managing front desk activities, coordinating over 15 appointments weekly using a scheduling website, and ensuring accurate and confidential record-keeping.
- Streamlined document preparation and data entry workflows in Microsoft Excel, reducing administrative workload by 30% and improving office organization for faster document retrieval.

Event Coordination Director

Sept. 2024 – Present

Society of Hispanic Professional Engineers (SHPE) - NJIT

Newark, NJ

- Organized and executed 12+ networking and professional development events using Google Sheets and the school's volunteer coordination platforms, increasing participation by 50% and reducing planning time by 20%.
- Created strategic event calendars and managed volunteer teams of approx. 10 people to execute events efficiently, resulting in a 20% reduction in planning time and increased attendee satisfaction.

Delivery Technician/Lab Technician

Sept. 2022 – Present

Media and Technology Support Services (MTSS) - NJIT

Newark, NJ

- Collaborated with a team of five to standardize audiovisual equipment setup procedures and implement routine maintenance protocols, boosting equipment reliability by 40% across more than 100 lectures annually.
- Diagnosed and resolved technical issues in classrooms and labs, utilizing systematic troubleshooting techniques to identify problems and implement solutions, leading to a 30% reduction in equipment downtime.

PROJECTS

RhythmiQ: Cross-Platform Music Tracker | Flutter, Spotify API | Dart, Node.js, Firebase Nov. 2024 – Present

- Developed a multi-platform music discovery app enabling users to search for artists, view recent releases, and listen to song previews.
- Engineered a responsive UI and optimized back-end integration with Firebase and Node.js for real-time updates and seamless cross-device experience.

Data Analysis and Prediction App | Streamlit, Python, Scikit-learn | Jupyter Notebook Nov. 2024 – Dec. 2024

- Developed an interactive web app for CSV data upload, visualization, and machine learning model training using a Gradient Boosting Regressor, featuring dynamic charts for real-time insights.
- Built automated data preprocessing that handles missing values, scales numerical data, and encodes categories, allowing users to select features and evaluate model predictions in real time.

Compiler for SFort95 Language | Visual Studio Code, Git | C++

March 2024 – April 2024

- Developed a full SFort95 compiler with lexical analysis, recursive-descent parsing, and interpretation, ensuring compliance with Fortran95 standards and robust syntax validation.
- Designed and implemented a state-based lexical analyzer, operator-precedence parsing, and runtime checks, generating token reports and handling errors like undefined variables and division by zero.