

# STEVEN ALVARADO

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☎ 917-741-1712 📍 New York City Metropolitan Area

## Education

### New Jersey Institute of Technology

Sep. 2021 – May 2025

*Bachelor of Science in Computer Science, Minor in Applied Mathematics*

*Newark, New Jersey*

## Relevant Coursework

- Data Structures
- Algorithms
- Web Development
- Operating Systems
- Software Methodology
- Database Management
- Computer Networks
- Intensive Programming

## Projects

### Personal Website | [Next.js](#)

Jan 2024 - Present

- Developed a dynamic and responsive portfolio website using Next.js, implementing seamless navigation and an optimal user experience.
- Enhanced visual aesthetics with Tailwind CSS, leveraging its utility-first approach to create a modern design.
- Migrated website from running on a linux server with nginx web server to vercel for seamless and scalable deployment

### Global Temperature Analysis | [Python](#), [Machine learning](#)

Oct 2023 - Dec 2023

- Worked in a team to analyze and present global temperature trends from 1850 to 2015 using UC Berkeley's dataset
- Employed statistical and machine learning methods by implementing a linear regression model for trend analysis and random forest regression algorithm for complex pattern recognition.
- Ensured reproducibility with well-documented Jupyter notebooks, providing clear instructions for analysis and execution in a Python environment.

### Lexical Analyzer, Parser, and Interpreter | [C++](#)

Oct 2022 - Apr 2023

- Developed a lexical analyzer in C++ with regular expressions and finite automata for precise tokenization of source code in a Perl-like language.
- Designed and implemented a parser utilizing recursive descent parsing techniques to construct a syntax tree from tokenized input
- Demonstrated strong knowledge of parsing algorithms and grammatical analysis ensuring robust and accurate parsing of input files.

## Experience

### Hackathon - Girlhacks 23 NJIT

Sep 2023

*Software*

*Newark, New Jersey*

- Collaborated with and led a cross-functional team of four to conceptualize, design, and develop a Streamlit web app
- Harnessed N2YO and OpenAI APIs to provide users with real-time data on the ten closest satellites to any location
- Awarded winner in "best use of streamlit" category showcasing expertise in API integration, data visualization, teamwork, and leadership.

### Big Snow co.

Jun 2022 - Jun 2023

*Lift Operator*

*East Rutherford, New Jersey*

- Provided exceptional customer service by assisting guests with lift access, addressing inquiries, and ensuring a positive and enjoyable experience on the slopes.
- Enforced safety protocols, conducted equipment inspections, and responded promptly to any mechanical issues, prioritizing the well-being of guests.

## Technical Skills

**Languages:** Python, Java, C, C++, Bash, HTML/CSS, JavaScript, SQL

**Technologies/Frameworks:** Linux, GitHub, Next.js, Google Cloud Platform

## Extracurricular

- Hispanic association of computing college students (HACCS)
- National Science Foundation S-Stem Scholarship recipient for high-achieving students
- NJIT Association of Computing Machinery (ACM)