

# Yitzhak Alvarez

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## EDUCATION

State University of New York at New Paltz | *New Paltz, NY*  
Bachelor of Science in Computer Science, Minor in Economics

May 2021

## TECHNICAL SKILLS

**Languages:** Swift, Ruby, Java, Python, R, C

**Database:** MySQL

**Web Development:** HTML5, CSS3, JavaScript, Bootstrap

**Tools/Technologies:** MIT App Inventor, Version Control (Git), Anaconda

**Platforms:** Windows, macOS, Linux

## EXPERIENCE

**Wellness and Recreation Office Assistant** | *SUNY New Paltz* November 2019 – March 2020

- Assisted the Director and Assistant Director of the department in collecting data and personal information.
- Handled incoming calls and other communications.
- Input data into a spreadsheet using Microsoft Excel.

**Full Stack Engineer Intern** | One EPIC Place | *New Paltz, NY* September 2019 – December 2019

- Collaborated with a team of developers to create a room-scheduler calendar and login system to replace YARooms, another web-based scheduler.
- Designed a responsive and intuitive user interface using HTML, CSS/SCSS, JavaScript, and Vue.
- Created an extensive MVC patterned REST API using JavaScript, Node, Express and MySQL.

**Computer Lab Proctor** | *SUNY New Paltz* September 2017 – January 2019

- Helped students with computer related issues.
- Answered first-level software and hardware questions.
- Maintained the printer such as loading paper, changing the toner and fixing paper jams to ensure its functionality.

## PROJECTS

### Math Suite (2020)

- Worked in a group of 3 to build an “educational suite” application for mathematics.
- Repo: [github.com/yitzhakalvarez/MathSuite](https://github.com/yitzhakalvarez/MathSuite)
- Utilized: Java, JavaFX, MySQL, Microsoft Visio

### Airport Simulation (2019)

- Created an airport simulator to theoretically determine if an airport needed another runway.
- Repo: [github.com/yitzhakalvarez/Airport-Simulation](https://github.com/yitzhakalvarez/Airport-Simulation)
- Utilized: Java

### Tic Tac Toe AI (2018)

- A small game of tic tac toe playing against with the computer.
- Repo: [github.com/yitzhakalvarez/TicTacToe-AI](https://github.com/yitzhakalvarez/TicTacToe-AI)
- Utilized: Python

## ACTIVITIES & AFFILIATIONS

**Member** | New Paltz Chess Club | *SUNY New Paltz* September 2020 – present

**Member** | Tau Kappa Epsilon Fraternity | *SUNY New Paltz* August 2019 – present

**Member** | Association for Computing Machinery | *SUNY New Paltz* September 2018 – present

**Member** | National Society of Black Engineers (NSBE) | *SUNY New Paltz* September 2018 – present

**Member** | Engineering Club | *SUNY New Paltz* September 2018 – present

**Assistant Director of Videography** | WNPC-TV | *SUNY New Paltz* May 2018 – January 2020