

# Itay Akad

New York, NY | itayakad@gmail.com | (201)-468-1278 | LinkedIn: itayakad | Github: itayakad

## SUMMARY

---

Motivated and detail-oriented student pursuing a double major in Computer Science and Data Science with a minor in Economics. Equipped with strong programming and data analytics skills, and a keen interest in leveraging machine learning and financial data to drive innovative solutions. Seeking an internship opportunity to contribute to impactful projects while gaining hands-on experience in either computer science or data science fields.

## EDUCATION

---

### Rutgers University - New Brunswick

New Brunswick, NJ

Bachelors of Science

Expected Graduation, Spring 2026

Double Major in Computer Science & Data Science; Minor in Economics

- **GPA:** 3.7/4.00, Dean's List
- **Relevant Coursework:** Data Structures & Algorithms, Discrete Mathematics, Data 101, Linear Algebra, Calculus 1-3, Statistics, Macroeconomics, Microeconomics

## EXPERIENCE

---

### V-Armed

Brooklyn, NY

Development Intern

Summer 2024

- Collaborated with a team of developers at the Brooklyn studio to create and enhance combat-simulation virtual reality projects, leveraging both C++ and Unreal Engine Blueprints to deliver immersive training scenarios.
- Utilized C++ to debug and optimize existing code in Visual Studio, developing custom features and utilizing pre-existing ones to enhance efficiency and functionality.
- Created and implemented features using Unreal Engine Blueprints, including a customizable 3D text rendering system with adjustable color, spacing, and depth.
- Assisted in user testing and iteration, incorporating feedback to refine and improve the overall user experience while maintaining and calibrating VR equipment for high performance and reliability.

Summer Intern

Summer 2023

- Assisted with the calibration and maintenance of state-of-the-art VR technology involving headsets, sensors, cameras, and miscellaneous accessories, ensuring optimal performance for clients such as the NYPD.
- Provided technical support to ensure minimal downtime and optimal performance, conducting comprehensive testing of VR headsets and identifying performance issues for immersive combat simulation scenarios.
- Supported administrative tasks, maintained the large studio space, and assisted with special projects, gaining familiarity with company operations and contributing to a collaborative work environment.

## PROJECTS

---

### Fantasy Football Analysis | Jupyter Notebooks, Python, SQL, Tableau

- Created a data pipeline using SQL and Python to analyze fantasy football player data, including cleaning and merging datasets, developing scripts to identify vital performance indicators, and displaying findings on Tableau.
- Developed a Linear Regression model using Python libraries (pandas, numpy, scikit-learn) to predict who the best fantasy football players will be based on key statistical metrics.

### Console Casino | Python

- Created a Python-based collection of various games with fully customizable betting options, realistic gameplay mechanics, and detailed tracking of player statistics, allowing for an engaging experience directly in the console.
- Developed an advanced AI-driven poker bot designed for heads-up play that utilizes probability-based algorithms and contextual analysis, making it capable of strategic decision-making and adaptive bluffing.

### Personal Portfolio Website | HTML/CSS, JavaScript

- Utilized HTML/CSS and JavaScript to create a visually appealing and user-friendly site showcasing academic background, skills, portfolio, and professional experience. Hosted on GitHub Pages.

## SKILLS

---

**Programming:** Java, Python, R, C++, HTML/CSS, JavaScript, SQL

**Tools:** Visual Studio, VS Code, Microsoft Excel, Unreal Engine Blueprints, MySQL, Tableau

**Languages:** English (Fluent), Hebrew (Fluent)