

EMMANUEL CRUZAT

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emmanuelcruzat.github.io/portfolio-dva/

EDUCATION

New Jersey Institute of Technology | Graduating May 2027

Sept. 2023 - Present | Newark, NJ

B.S. in Computer Science, Double Minors in Information Technology and Innovation & Entrepreneurship

- **3.85 GPA & Dean's List (x6)**
- Enrolled in accelerated **B.S./M.S. program in Artificial Intelligence**
- Dorman Honors Scholar - Full tuition merit scholarship

CERTIFICATIONS

- **CompTIA Security+, Network+, A+, ISC2 Certified in Cybersecurity, Bloomberg BMC, Bloomberg BFF, MATLAB Onramp**

EXPERIENCE

Information Technology Intern

Jun. 2026 - Present

New Jersey Courts

- Supporting IT operations by troubleshooting, networking, and reimaging 250+ personal computers

AI Researcher, Murphy Lab

Mar. 2026 - Present

New Jersey Institute of Technology

- Assisting in AI research on agent decision-making in partially observable environments
- Implementing game-playing agent strategies in Python using probabilistic state estimation

Founding Vice President, NJIT Rocketry Club

Apr. 2024 - Present

New Jersey Institute of Technology

- Founding and helping run a model rocketry club at NJIT with 35+ active members
- Managing the raising and allocation of over \$65k in funds for projects
- Serving as the overall coordinator for multiple rocket design teams in NASA and international competitions

Program Analyst

Jan. 2025 - May 2025

NASA L'Space Mission Concept Academy

- Developed a detailed NASA mission concept for a Venus probe to measure atmospheric and geological data
- Gained experience with project management, multidisciplinary leadership, and technical writing

PROJECTS

CrimeMAPPER *Clustered, Secured Full-Stack Application*

- Developed a full-stack application to display New York City crime data that runs on clustered virtual machines
- Secured the website against SQL injection, brute force, and DDoS attacks
- Wrote orchestration scripts to remotely activate services on VM cluster using Bash

Player Statistics Dashboard (KokouStats) *APIs, Accounting, Data Analytics*

- Developing a web-based dashboard for account information of millions of players of the 2015 MMO World of Warships
- Collecting player information to derive data insights on the playerbase across the NA, EU, and ASIA servers

Stock Price Predictor *Regression Modeling*

- Trained a linear regression model to predict future stock prices of major tech companies
- Processed and visualized large financial datasets using NumPy and Pandas

SKILLS

Programming Languages: C/C++, C#, Java, Python, PHP, SQL, JS/TS, HTML/CSS, and Bash

Security Tools: Kali Linux, BurpSuite, and WireShark