EMMANUEL CRUZAT

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emmanuelcruzat.github.io/portfolio/

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
- 3.89 GPA & Dean's List
- Dorman Honors Scholar - Full tuition merit scholarship
- **Relevant Coursework** - Computer Science I & II, Internet Applications, System Administration, Intensive Programming in Linux, Database System Design & Management, Operating Systems, Computer Systems

SKILLS and CERTIFICATIONS

Certifications: CompTIA Network+, **CompTIA A+**, ISC2 Certified in Cybersecurity, Bloomberg BMC, Bloomberg BFF, MATLAB Onramp

Programming Languages: C/C++, C#, Java, Python, PHP, SQL, JS/TS, and HTML/CSS
Technologies: MEAN stack, Tailwind
Developer Tools: Bash, Visual Studio, IntelliJ, Unity
Software: Experience with Kali Linux, BurpSuite, and Adobe Premiere

EXPERIENCE

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 $60k 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 mission concept for a Venus probe to measure atmospheric and geological data
- Gained knowledge about project management, multidisciplinary leadership, and technical writing

Sustainability Specialist   *May 2024 - Dec. 2024*
New Jersey Institute of Technology
- Prepared and delivered reports and presentations for NJIT's Division of Real Estate Development and Capital Operations (REDCO)
- Collected data on university finances and investments for NJIT's Department of Environmental Health and Safety (EHS)

PROJECTS

Starflower *MEAN Stack*   *Fall 2025 - Present*
- Developing an online multiplayer geopolitical simulation game using the MEAN stack
- Implemented account creation and management, password hashing, and messaging features
- Integrating an AI chatbot to provide tailored gameplay summaries to players

CPU Scheduler *Python*   *Fall 2025*
- Developed a CPU scheduling program that simulates process scheduling
- Implemented both non-preemptive and preemptive scheduling algorithms and a user shell

Mini C-Like Interpreter *C++*   *Fall 2024*
- Developed a lexical analyzer, parser, and interpreter to read and process a simple C-like language

NJIT Information and Cybersecurity Club Bug Bounty Hunter *Kali Linux*   *Jan. 2024 - May 2024*
- Studied common web application vulnerabilities and methods of defense
- Worked with a team to find and report vulnerabilities in web applications