Adonis Garcia

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EDUCATION

New York University, Tandon School of Engineering　　　　　　　　　　　Expected Aug 2026
B.S. in Computer Science, Minor in Mathematics, GPA: **4.0**　　　　　　　　　　　*Brooklyn, NY*
Study Abroad: NYU Abu Dhabi, UAE (Spring 2024/2025), Hanyang University, Seoul, Korea (Jan 2025)
Organizations/Activities: HEOP, SHPE, NSBE, AAP, GQ, MLT, I4RC, MyBK@T
Relevant Coursework: Applied Machine Learning, Data Structures, Object-Oriented Programming, Algorithms
Awards: NYU Outstanding Innovator Award 2022, NYU Gunter Georgi Award 2022, NYU Scholar of the Year 2023
Global Leaders and Scholars in STEM (GLASS) Honors Program

TECHNICAL SKILLS

Languages: Python (Pandas, NumPy, Matplotlib, OpenCV, PyTorch), C/C++, .NET, Spanish
Developer Tools/Tech: VS Code, Git, Windows/MacOS, Hugging Face, LaTeX, Jupyter, Arduino, ML, Gen AI, AWS

EXPERIENCE

ML Software Engineering Honors Intern　　　　　　　　　　　　　　Oct 2025 – Present
MissionML　　　　　　　　　　　　　　　　　　　　　　　　　　　　　*Remote*
- Developing AI-powered digital services and infrastructure solutions for government mission-critical applications

Software Engineering Intern　　　　　　　　　　　　　　　　　May 2025 – August 2025
Bank of America　　　　　　　　　　　　　　　　　　　　　　　　*Charlotte, NC*
- Architected automated workflows, reducing processing time by 60% and eliminating linear time complexity
- Redesigned internal application using .NET and SQL, reducing monthly workload from 100's of clicks to under 10
- Developed Python networking platform connecting 2000+ interns with 80%+ engagement rate

ML Software Engineering Intern　　　　　　　　　　　　　　　　　May 2024 – Jul 2024
Polydelta AI　　　　　　　　　　　　　　　　　　　　　　　　　　*Arlington, VA*
- Developed LLM-powered chatbot with RAG using Python, Langchain, and Pinecone, improving accuracy by 40%
- Processed 10,000+ documents via custom web crawling, embedding, and vector storage pipelines
- Fine-tuned legal-domain embeddings and built interfaces to demo AI for government use

Teaching Assistant　　　　　　　　　　　　　　　　　　　　　　Jul 2023 – May 2024
NYU General Engineering Department　　　　　　　　　　　　　　　　*New York, NY*
- Instructed 50+ students across 10+ weekly lab sessions with hands-on programming support
- Led workshops on prototyping, coding, engineering design, AI/ML, ethics, CAD, sustainability, circuitry and more
- Provided targeted feedback to students, resulting in a 25% reduction in engineering errors within 3 months

PROJECTS

NYUAD Hackathon for Social Good – Q-quake/كﻭ-زلزال | *Python, Quantum Computing, AI/ML*
- Built hybrid earthquake system using AI/ML and quantum sensing, targeting 1+ minute warning improvements
- Collaborated with global team to fuse seismic data with quantum inputs for early warning accuracy
- Secured 2nd place and Audience Choice Award at 2025 NYUAD Hackathon for Social Good in a competitive 72-hour sprint

The E-Glove | *Python, C++, Arduino, OpenCV, PySerial, Pynput, Fusion 360*
- Built wireless glove mouse using color tracking, string actuation, and Bluetooth modules
- Achieved 92% tracking accuracy with OpenCV, PySerial, and smooth cursor control via C++ and Pynput
- Directed 3-month development, presented to directors, and secured two awards for innovation and impact

Deep Learning Image Classifier from Scratch | *Python, NumPy, Matplotlib*
- Built CNN for image classification on MNIST using only Python and NumPy
- Designed CNN with 3×3 convolution, average pooling, 1×1 convolution, and softmax output layer
- Implemented forward/backward propagation with gradient descent and achieved 90.19% test accuracy

LEADERSHIP & IMPACT

Institute Scholar　　　　　　　　　　　　　　　　　　　　　　Feb 2024 – August 2025
Institute for Responsible Leadership　　　　　　　　　　　　　　　　*Washington, DC*
- Selected as 1 of 12 scholars nationwide for highly competitive, leadership-cultivating program
- Completed high-level Fortune 500 internships, executive briefings, and academic seminars across two summers

Committee Chair　　　　　　　　　　　　　　　　　　　　　　May 2024 – May 2025
NYU AAP Computer Science Initiative　　　　　　　　　　　　　　　　*New York, NY*
- Organized and executed 8 tech-focused events per semester reaching 200+ Black, Latinx, and Indigenous students
- Led CS workshops covering algorithms and system design, establishing peer study groups that boosted exam scores by 18%

Lead Mentor　　　　　　　　　　　　　　　　　　　　　　　　May 2023 – May 2025
NYU Academic Achievement Program　　　　　　　　　　　　　　　　　*New York, NY*
- Founded and launched NYU Gentlemen of Quality mentorship program, fostering 15% increase in student retention
- Facilitated workshops and study sessions for underrepresented students, improving academic and time management skills