

Andres Rojas

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EDUCATION

Northwestern University - Evanston, IL

Graduation: June 2025

Master of Science in Computer Science | Bachelor of Arts in Computer Science

GPA: 3.57

- Relevant Coursework: Data Structures, Design and Analysis of Algorithms, Discrete Math, Scalable Software Architecture, Microprocessor System Design, Artificial Intelligence, Human Computer Interaction, Game Design and Development, Linear Algebra

SKILLS

Technical Skills: Python, C, C#, C++, HTML/CSS, JavaScript, MySQL, Unity, Git, Unix, AWS, Jira, Microsoft Office

Languages: Fluent in English and Spanish (Reading, Writing & Conversing)

PROJECTS AND RELEVANT EXPERIENCE

Adobe Inc. - San Jose, CA

June 2024 – Sept. 2024

Incoming Software Engineer Intern

- Selected by Adobe as a GEM Employer Fellow, a fully-funded Master's degree fellowship sponsored by universities and employers.
- Working with Adobe Experience Manager (AEM) team, with a focus on front-end technologies such as **HTML/CSS** and **JavaScript**.

Lockheed Martin - Orlando, FL

June 2023 – Aug. 2023

Software Engineer Intern

- Developed multi-functional GUI in **Python** for the testing/calibration of a new R&D project.
- Designed detailed wireframe and led full-stack development of the interface, working in Agile sprints with team members.
- Reduced time to perform tests drastically, from 45-60 seconds of manual alterations to mere seconds with the digital program.

Northwestern University, Computer Science Department - Evanston, IL

Jan. 2023 – Present

Undergraduate Teaching Assistant

- Courses Taught: COMP_SCI 327: Generative Methods, COMP_SCI 110: Introduction to Computer Programming.
- Facilitating the learning of 300+ students in languages such as **Python** and **JavaScript**, teaching newer students the foundations of programming, and helping experienced students create a portfolio of digital designs using generative algorithms and machine learning.
- Collaborate with professor and other course staff to conduct tutorials on assignments, grade student projects, as well as hold weekly office hours to assist with any questions on homework and lectures.

Institute of Electrical and Electronics Engineers (IEEE), Northwestern University Chapter

Dec. 2022 – June 2023

Software Developer

- Developed an interactive social application, where hundreds of students can rate and leave reviews/comments on dozens of different food items from our university's dining halls, utilizing a webscraper to extract the full item list and nutritional info from dining services.
- Built using a MERN stack, working with front-end team to create app interface using **React** and **Bootstrap** components.

Dino Jump: Interactive Web Game

May 2022

- Expanded upon Google's famous "Dinosaur Game" seen on their Chrome browser; added in many more interactive obstacles, as well as a two-player mode in order to increase playability among friends.
- Implemented these changes by coding in **C++**, engineering my own interface with audio and sprites, as well as new controls.

LEADERSHIP EXPERIENCE

Northwestern Esports Organization - Evanston, IL

Apr. 2022– Present

External President

- Administrate and oversee several competitive varsity teams with over 80+ total players, competing on the regional and national level.
- Successfully spearheaded the construction and development of a cutting-edge \$250,000 esports room on campus, collaborating with campus officials, administration, and outside builders and sponsors.
- Established formal relationship with university financial offices and student government, receiving funding for the first time in club history totaling over \$35,000.
- Coordinate yearly leadership recruitment, as well as marketing and promotion of our club to the Northwestern community and beyond.

Society of Hispanic Professional Engineers (SHPE), Northwestern University Chapter - Evanston, IL

Mar. 2022 – Mar. 2024

Financial Chair

- Direct internal and external finances, managing all grants and outside sponsorships that are given to the chapter, successfully fundraising over \$90,000 for our club events and professional development.
- Manage relationship with the Northwestern financial offices, who assists us with our outside relations with sponsors such as United, Squarespace, Boeing, 3M, General Motors, etc.

AFFILIATIONS AND INTERESTS

Affiliations: GEM Fellow, ColorStack National Member, Hispanic Scholarship Fund Scholar, SHPE National Member, IEEE Member

Interests and Hobbies: Video Games, Dancing, Badminton, Fostering Kittens