

## EJAY AGUIRRE

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### EDUCATION

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#### Kahlert School of Computing, University of Utah

Salt Lake City, UT

Bachelors of Science in Data Science

Generation Next Scholar, NASA Space Grant Consortium Scholar, WICHE Recipient

#### Northern Marianas College

Saipan, MP

Associate Arts of Liberal Arts Emphasis in Pre-Engineering

NFTA-APIA Scholar, NextGen Scholar, Western Digital Scholar, New Century Transfer Pathway Scholar

GPA: 3.83, Honors: Magna Cum Laude

### EMPLOYMENT

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#### CI Compass

Salt Lake City, UT

Student Fellow

January 2025 - Current

- Engaged in a 12-week program focusing on technical and research skills relevant to cyberinfrastructure and data-intensive research.
- Gained a contextual understanding of Major Facilities and the data lifecycle, enhancing the ability to support collaboration and inquiry.
- Collaborated with peers and mentors to apply learned skills in real-world scenarios, preparing for future roles in cyberinfrastructure and scientific computing.

#### Center for Student Access & Resources

Salt Lake City, UT

Peer Mentor

September 2024 - Current

- Mentored undergraduate students through personalized academic planning, time management strategies, and guidance on utilizing university resources, fostering academic success and healthy relationships with peers and professors.
- Organized peer group meetings, socials, and workshops in collaboration with staff, cultivating a supportive community and increasing student engagement in campus programs.

#### Salt Lake City Corporation

Salt Lake City, UT

Constituent Liaison Intern

September 2024 - January 2025

- Managed constituent inquiries and concerns using Salesforce to track case statuses, streamline communication between city officials and the public, and ensure timely resolutions, improving community satisfaction.
- Prepared detailed reports and case studies for city officials by utilizing Microsoft Office tools to analyze data, summarize local issues, and propose actionable solutions.
- Enhanced public accessibility by attending community events and providing efficient channels for sharing concerns within the city.

#### C.O.M.P.A.S.S | alternative REU

Saipan, MP

Data Researcher Lead Intern

June 2024 - August 2024

- Designed and implemented a green roof model to analyze soil quality, composition, moisture retention, and evapotranspiration, improving insights into storm water management for rural development.
- Conducted correlation and t-test analysis, visualized results through Python charts, and interpreted data on evapotranspiration, stormwater management, and soil quality index, enabling actionable research conclusions
- Authored a chapter summarizing the research and project, refining skills in project management, scientific writing, and peer collaboration for future publication.

**Duty Free Store Limited**

Concierge

Saipan, MP  
May 2022 - July 2024

- Boosted customer retention rates by implementing Salesforce-based solutions, answering membership inquiries efficiently, and enhancing retention through personalized recommendations, resulting in repeat visits from 20+ clients weekly.
- Led customer service initiatives that surpassed team goals by streamlining procedures and collaborating with staff, achieving an average 15% increase in client satisfaction scores.

**University Centers for Excellence in Developmental Disabilities**

Student Trainee

Hawaii, HI  
June 2023 - January 2024

- Evaluated the educational and technological needs of individuals with disabilities, ensuring compliance with cultural competence, ethical standards, and developmental disability policies.
- Collaborated with professionals and advocates to identify and implement solutions, enhancing knowledge of cross-disciplinary communication and inclusivity best practices.

**S.P.I.C.E Data Science Institute**

Data Researcher Intern

Hawaii, HI  
May 2023 - July 2023

- Analyzed datasets on avian elevation and malaria correlations, creating visualizations with graphic design tools to effectively communicate findings to professionals and cohort members.
- Utilized R and Texas Advanced Community Centers (TACC) software to process research data, strengthening technical expertise and demonstrating the ecological impact of bird elevation on avian malaria infection rates.

**CNMI Public School System**

High Dosage Tutor

Saipan, MP  
October 2022 - June 2023

- Improved elementary student assessment scores by 15% through tailored tutoring strategies, assignment support, and targeted skill-building interventions.
- Increased student verbal engagement and confidence by incorporating positive reinforcement techniques, resulting in enhanced academic performance and classroom participation.

**Turnkey Solutions**

Website Developer Intern

Saipan, MP  
September 2021 - December 2021

- Researched efficient database structures for website backend management, gaining skills from online resources and professionals to implement for an immersive website project.
- Designed a responsive and user-friendly front-end for an eCommerce website, immersing in website development using HTML, CSS, and JavaScript. Executed a final project, developing an agenda application website, applying Django framework knowledge and consolidating learned materials.

**LEADERSHIP & ACTIVITIES**

**Phi Theta Kappa Beta Lambda Psi Chapter**

Public Relations Officer | HIA Lead

Saipan, MP  
October 2024 - May 2024

- Led research efforts to create visually impactful representations of cultural engagement using qualitative analysis and technological tools, earning recognition from the international society for innovative content creation.
- Mentored students with disability by sharing research strategies and offering guidance, resulting in successful collaboration and a joint student-mentor presentation at the Mariana Islands Conservation Conference.

**Assessing High School Students Technological Literacy: Utilization and Attitude**

Student Researcher

Saipan, MP  
January 2023 - May 2023

- Collected data from 10% of the high school student body to assess technological literacy, identifying a significant correlation between students' attitudes toward technology and exposure to specific instructional methods.

- Advocated for change in the public school system by presenting findings to administrators, teachers, and students, leading to a shift in perceptions about technology's role in education and an increase in positive attitudes toward computer usage.

Tuning a Machine to Hear Bird Songs: Marianas Fruit Dove

Saipan, MP

Student Researcher

October 2022 - April 2023

- Compiled and organized research data to create representative graphs and identify true positives in datasets using Python and Bash, showcasing advanced data manipulation and analysis skills.
- Presented research findings at a symposium, demonstrating proficiency in analyzing ecological data and effectively communicating results to academic and professional audiences.

## SKILLS & INTEREST

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**General:** Computer Proficient, Project Management, Communication, Time Management, Research

**Technical:** Microsoft Office, G-Suite, Salesforce, Asana, Python, R, JavaScript, SQL, Java

**Interests:** Animation Film, TV Shows, Accessibility, Technology, Billiards, Community, Urban Planning