EJAY AGUIRRE

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EDUCATION

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

CI Compass   Salt Lake City, UT

Student Fellow   January 2025 - April 2025

- 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 - April 2025

- 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   Saipan, MP
Concierge   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   Hawaii, HI
Student Trainee   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   Hawaii, HI
Data Researcher Intern   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   Saipan, MP
High Dosage Tutor   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   Saipan, MP
Website Developer Intern   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   Saipan, MP
Public Relations Officer | HIA Lead   October 2024 - May 2024
- Led research efforts to create visually impactful representations of cultural engagement using qualitative analysis and technological tools, earning recognition form 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   Saipan, MP
Student Researcher   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

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