Jesus Gutierrez

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Technical Expertise

- Professionally Trained in Modern Software Engineering by HCL:
  - ReactJSX, React Native, JS,HTML,CSS, RESTful APIs, C/C++, Java, Python, Linux, Bash, Git/VersionControl, SQL, Software Development Life Cycles, CI/CD, DevOps
- Experienced in resolving MSP, IT, networking and help desk related issues at Meta/Facebook
- Data Science and AI/ML using Python,Pandas, TensorFlow
- Sponsored Encrypted UAV Protocol project in C (https://github.com/jesus900000000/UAVPROJECTandRESUME).
- Parallel Programming using Pthreads, MPI, OpenMP with C.
- Driven and disciplined mindset, ready to grow and adapt to your company's techstack and needs.
- Experienced as a Math Instructor for Mathnasium, Pre-k to University levels.
- Native Level Fluency in Spanish and English, written, spoken and read.

Education

Master of Science in Software Engineering (B.S. Combined Program)
St. Mary's University   San Antonio, Texas
- Relevant courses: Parallel Programming, Data Science, Cryptography, Networking
- MS and BS in Software Engineering Combined Degree Program
- IEEE Club Member
- Ultimate Frisbee Sporting Club Member
- National Society of Leadership and Success Member

Bachelor of Science in Software Engineering (M.S. Combined Program)
St. Mary's University   San Antonio, Texas
- Relevant courses: Files and Database, Data Structures & Algorithms, Software Quality Assurance and Testing, Software Project Management, Software Maintenance and Evolution
- MS and BS in Software Engineering Combined Degree Program
- Industry Grade Sponsored UAV Communications Protocol Capstone Project
- Scholarship: Madeleine Scholarship Recipient
- National Society of Leadership and Success Member

Associate of Arts in Liberal Arts
San Antonio College   San Antonio, Texas
- Simultaneously earned Distinguished Highschool Diploma
- Scholarship: 100% cost covered by the Judson Early College Academy
- Professional Development Series Participant
- National Society of Leadership and Success Member

Distinguished Highschool Diploma
Judson Early College Academy   Live Oak, Texas
- Simultaneously earned Associate of Arts in Liberal Arts
- Scholarship:100% cost covered by the Judson Early College Academy
- Engineering Club Member & Competitor at Texas A&M
- Math University Interscholastic League Member & Competitor

HCL Technologies onsite at Meta   **Austin, Texas (Remote)**
Developer/MSP Support Engineer   May 2021 – Present

- Professionally trained by HCL Technologies for modern Software Engineering using React JSX, Java, Linux, SQL, and Python utilizing leading modern Software Development lifecycles
- Experienced in triaging, and resolving bugs, production, build, and test environment issues within cross functional internal teams of various priorities as a daily on-call engineer at Meta
- Experience creating, documenting, and presenting weekly reports about teams' major weekly milestones by distilling data into presentable chunks of usable data for maintaining quality
- Ensure all priorities especially emergency priority tickets, are responded to and resolved within SLA constraints to maintain overall support quality
- Inform and guide all users and teams regarding corresponding internal teams and tools at Meta for proper usage of internal and external products

St. Mary's University Sponsored Capstone Project   **San Antonio, Texas (Hybrid)**
Software Engineer   May 2020 – May 2021

- Successfully satisfied the customer's request for an Encrypted UAV Drone Communications Protocol (https://github.com/jesus900000000/UAVPROJECTandRESUME)
- Designed, developed, tested, and documented, a custom encrypted communications protocol by converting a radio signal to a network connection using C, SSL Library, multiple Raspberry Pi 4s, Ubuntu, Raspberry Pi OS, and customer provide radio hardware and Drones
- Developed and integrated a scalable automated performance tracker for measuring the drone's telemetry, performance data, and payload usage for the purpose of quality, and tracking usage
- Tracked and managed the project using Jira, a Gantt Chart, and software project management modern practices for our SCRUM development lifecycle
- Communicated regularly with stakeholders regarding requirements, design, testing, progress, documentation, and key milestones among other important topics using virtual and in person resources

Mathnasium   **Converse, Texas (Hybrid)**
Math Instructor   May 2019-May 2021

- Commercially trained by Mathnasium as a math instructor for students of various levels, from pre-k to university
- Instruct 4-8 students simultaneously at a time, utilizing both in-person and virtual platforms to instruct students, each with varying levels of math skills within the range of pre-k to university level
- Communicate with parents (when working with kids) regarding student learning progress and address questions or concerns as-well as future plans on a daily basis
- Maintain the student's physical and digital personalized math material to manage student objectives and progress
- Assist, Guide, and Teach students regarding any external math related homework or projects that they may bring in to the Mathnasium Learning Center
- Promote personal growth, and educational growth for the success of each student

Office of the President - St. Mary's University   **San Antonio, Texas**
Work Study   August 2017- December 2019

- Planned and coordinated all travel-related activities for the University's President to include, flights, car rentals, and hotel accommodations, among other business reservations
- Collected sensitive and confidential information for various university communication and coordination activities including bank statements for trustees, events, meetings, etc.
- Communicated with external agencies following university policies and procedures
- Handled, prepared, and sent out various types of official Office of the President mail and emails
- Welcomed University Guests and directed them accordingly to ensure their needs are met
- Trained in operating official university golf carts to transport university guests as well as internal personnel and materials

Advising Office Northeast Lakeview College   **Live Oak, Texas**
Unpaid Intern   September 2016- April 2017

- Maintained sensitive and confidential student information as part of the Academic Advising Office to ensure accuracy and integrity of data
- Verified Graduation Applications of students to streamline the approval or denial of their requests
- Enrolled in various Professional Development Series lectures to learn about professional work directly from industry leading CEOs and other high profile professionals