

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, Git/VersionControl, SQL, Software Development Life Cycles
- 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

Professional Experience

HCL Technologies onsite at Meta

Developer/MSP Support Engineer

Austin, Texas (Remote)

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

Software Engineer

San Antonio, Texas (Hybrid)

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

Math Instructor

Converse, Texas (Hybrid)

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

Work Study

San Antonio, Texas

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

Unpaid Intern

Live Oak, Texas

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