

# Jesus Gutierrez

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## Technical Expertise

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- Professionally Trained by HCL Tech and Meta in React, JS, HTML, CSS, RESTful APIs.
- Professional Experience as a Meta Platforms Inc. Enterprise Engineer, and as weekly on-call.
- Professionally Trained by HCL Tech in Software Engineering, and Modern SDLCs.
- Professionally Trained by HCL Tech in C/C++, Java, Python, Linux, Git, SQL.
- Sponsored Encrypted UAV Protocol project in C (<https://github.com/jesus900000000/UAVPROJECTandRESUME>).
- Knowledge in Parallel Programming using Pthreads, MPI, OpenMP with C.
- Trained and Experienced as a Math Instructor for Mathnasium, Pre-k to University levels.
- Native Level Fluency in the Spanish and English Languages.

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## Education

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### 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
- Key Club Member and Volunteer

## Professional Experience

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### **HCL Technologies onsite at Meta**

Software Engineer

**Austin, Texas (Remote)**

May 2021 – Present

- Professionally trained by HCL Technologies and Meta for modern Software Engineering using React, Java, Linux, SQL, and Python utilizing leading modern Software Development lifecycles
- Professionally trained by Meta, and experienced in solving technical support tickets, bugs, production, and build issues within the supplier tools and sourcing tools teams at Meta
- Experience creating, document, and presenting weekly reports about the supplier tools and sourcing tool teams' major weekly milestones to maintain our team's high quality of work
- Participate in weekly on call rotations to ensure all emergency bug reports are solved even during non-working hours
- Inform and provide guidance to all users and all teams regarding the role supplier tools and sourcing teams have at Meta for proper usage of internal and external products

### **St. Mary's University 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, the entire protocol alongside my team using C, Raspberry Pi 4, Ubuntu, Raspberry Pi OS, and customer provide radio hardware
- Tracked and managed the project using Jira, a Gantt Chart, and software project management modern practices for SCRUM
- Communicated regularly with stakeholders regarding requirements, design, testing, progress, documentation, and key milestones among other important topics

### **Mathnasium**

Math Instructor

**Converse, Texas (Hybrid)**

May 2019-May 2021

- Commercially trained as a math instructor for students of various levels, from pre-k to university
- Instructed 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
- Maintain the student's personalized math material to manage student objectives and progress
- Assist, Guide, and Teach students regarding any external math related homework or projects
- 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 reservations
- Collected sensitive and confidential information for various university communication and coordination activities including bank statements for trustees
- 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

**Advising Office Northeast Lakeview College**

Unpaid Intern

**Live Oak, Texas**

September 2016- April 2017

- Maintained sensitive student information as part of the Academic Advising Office to ensure accuracy and integrity of data
- Enrolled in various Professional Development Series lectures to learn about professional work A