Mario De Jesus

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Experience

JP Morgan Chase & Co.   *Jun 2022 - Present*
Associate Software Engineer (NA Team Lead)
• Lead North American Nexus Team, Nexus reporting handled minimum $50 million per day
• In charge of all Nexus platform support inquiries, 25+ queries a week for external clients
• Created report failure notifier scripts with stake holders, saved 4 developing hours per week
• Developed and improved Nexus reporting framework for ease of trading and reading for clients
• Python developer & supporter on Beta One, platform handled 150+ daily active users
• Developed 85% of charts seen on the Beta One platform for clients to filter through data

Easy Expunctions   *Jun 2021 - Aug 2022*
Software Engineer
• Developed automation script for user update, which increased to 120% of emails sent
• Implemented API for automated emails, 2500 daily emails with an average $2000 daily sales

Pwrd By   *Jan 2021 - July 2022*
Data Analyst
• Built automation scripts for natural disaster data analysis team, cut time from 3 hours to 1 hour
• Automation script sorted through XML data and formatted data for data analysis team

AI for Good   *Jun 2021 - Jun 2022*
Software Developer / Writer
• Developed an automated broken link finder for the website, which reduced the time to find all broken links from 2 weeks to 15 minutes, which allowed for faster link replacements

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Education

The University of Texas at San Antonio   Graduated : May 2025
Masters Electrical Engineering   GPA: 3.93 / 4.00
  ● Master Thesis : KubeLLM - Framework for Troubleshooting Distributed Systems
    • AI agents solving real world industry problems cutting developer hours
The University of Texas at San Antonio   Graduated : May 2022
Bachelors of Computer Science   GPA: 3.35 / 4.00

Projects

Allies In Hope (non-profit) - *Data Entry Manager*
• Contacted and created a custom data entry manager within their budget ($10/month)
• The Full-Stack web application takes data input from multiple departments for quarterly/yearly review, saving the non-profit 8 days of work

DevNote (personal project) - *Note Taking WebApp*
• Full-Stack web application designed to save my notes, organized by project, with syntax formatted based on the language as seen on the ide

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Technical Skills: Python, HTML, Javascript, CSS, Java, XML, MS SQL, SQLite, MongoDB, C#