FABIAN MEDINA

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EDUCATION

The University of Texas at Austin, Austin, TX   Expected 2027
Bachelor of Science, Computer Science
  Relevant Coursework: Data Structures, Object-Oriented Programming, Discrete Math, Computer Architecture

SKILLS

Programming Languages: Java, Python, C++, JavaScript, HTML, CSS
Tools & Frameworks: Jira, GIT, MySQL, ROS, Power Apps, Power Automate, Azure, Intune, Entra, Figma
Certifications: Adobe Photoshop, Adobe Premiere Pro, Adobe Illustrator

EXPERIENCE

Solera Holdings, LLC, Westlake, TX   June 2024 - July 2024
IT Business Support Intern
- Redesigned internal ticketing system using data visualization and best UI practices, consolidating categories by over 15%, which improved issue submission accuracy by 35% and significantly reduced average ticket resolution time.
- Automated workflows with Microsoft Power Apps and Power Automate, boosting business efficiency and reducing manual tasks by 6 hours per week.
- Enhanced team productivity by implementing Scrum and Agile methodologies in Jira, resulting in improved project completion rates and better cross-team collaboration.
- Supported IT infrastructure for over 120 on-site members and thousands of global employees, leveraging Azure, Intune, and Entra to ensure seamless operations and reduced downtime.
- Created comprehensive documentation for IT processes, accelerating onboarding efficiency and reducing the training period for new team members.

Autonomous Robots Stream, Research Initiative, UT Austin, Austin, TX   November 2023 - May 2024
Undergraduate Research Assistant
- Developed software solutions for autonomous systems using C++, Python, and ROS, contributing to advancements in robotics technology and improving human-robot interaction.
- Conducted research and collaborated on projects, enhancing analytical thinking and problem-solving skills within the field of artificial intelligence and robotics.

PROJECTS

- **Sign Language Recognition for Human-Robot Interaction** - Developed a real-time ASL letter recognition system using MediaPipe Hands for precise hand and finger tracking, achieving an accuracy rate of 93%.
- **ScholiSync** - Developed a Chrome extension to streamline the scholarship application process, featuring tracking, note-taking, calendar syncing, and data export, leading to an increase in application completion rates.
- **Banking Application** - Created a secure and user-friendly banking application using Java Swing and MySQL, enabling users to manage finances with features like deposit, withdrawal, fund transfer, and detailed transaction history, resulting in increased user satisfaction.

LEADERSHIP & COMMUNITY INVOLVEMENT

HACS (Hispanic Association of Computer Scientists), Austin, TX   August 2023 - Current
Member
- Actively participate in monthly meetings and events to foster networking opportunities and professional development within the Hispanic community of computer scientists.
- Engage in discussions and initiatives focused on addressing diversity and inclusion in the tech industry.