

MEICO HSIAO

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Clearance: Top Secret/SCI

SKILLS & CERTIFICATIONS

Skills:

- C++, C, Python, Java, ASP.NET, jQuery, React, Node, npm, TypeScript, SQL
- Git, Jira, Doxygen, LaTeX, Active Directory
- Modeling and Simulation, AFSIM, GIANT, STK, Data Analysis, NAVWAR, Wargaming, GNSS, GPS

Certifications:

- CompTIA Security+
- LPI LE-1 Linux Essentials
- ITIL 4 Foundation

EXPERIENCE

Software Developer

Inalab Consulting: Rapid Capabilities Office

Sep. 2025 - Present
Kirtland AFB, NM

- Independently design and implement internal IT web applications using ASP.NET, jQuery, and SQL, reducing manual workflows and centralizing critical data processes.
- Develop and maintain advanced SharePoint applications and Power Automate workflows that automate multi-step tasks and streamline collaboration, including Teams group integrations.
- Collaborate with leadership and end-users to gather requirements, design intuitive interfaces, and provide ongoing support, ensuring continuous improvement of custom-built solutions.

Data Engineer

Booz Allen Hamilton: Joint Navigation Warfare Center III

Nov. 2023 - Sep. 2024
Kirtland AFB, NM

- Led, designed, and developed a majority of software solutions independently, automating significant portions of the modeling work and introducing new methods for data visualization, interpretation, and analysis.
- Designed and engineered a data visualization Python method, using large existing datasets to generate KML files to visualize real-world GNSS behavior.
- Developed several GPS Interference And Navigation Tool (GIANT) Python solutions, interfacing with other applications like GIANT RPM, Google Earth, and STK.
- Conducted GNSS testing in an anechoic chamber, leveraging Skydel's API for automated setup of GNSS equipment and developed a GUI for streamlined control over GNSS hardware and Skydel operations.
- Conducted comprehensive analysis on the effectiveness of GPS jamming techniques, examining various factors such as antenna types, jammer capabilities, and terrain influences.

System Administrator

LinQuest: Joint Navigation Warfare Center III

May 2023 - Nov. 2023
Kirtland AFB, NM

- Developed several IT-related automation tools, utilizing PowerShell's scripting language to create IT software solutions based on organizational needs.
- Minimized damage in an emergency situation by quickly developing automation scripts to restore suddenly lost Active Directory groups, collaborating with base operations to expedite recovery.

Software Engineer

Tau Technologies: Department of Defense Support

Feb. 2022 - May 2023

Albuquerque, NM

- Developed an AFSIM processor plugin with C++ and MATLAB to manage and assess boresight conflicts, ensuring clear lines of shot.
- Constructed multi-domain models featuring satellite constellations, utilizing space catalog data, and developed scenarios to evaluate mission effectiveness.

Software Engineer Intern

Aegis Aerospace: Air Force Research Laboratory

Feb. 2021 - Feb. 2022

Kirtland AFB, NM

- Implemented AFSIM in Microsoft Flight Simulator within an Oculus Rift virtual reality simulation, interfacing combinations of various gamepads, joysticks, and ROTO-VR chairs within the simulation environment.
- Utilized AFSIM's AFScript to create custom processors, objects, and trajectories to build simulations.

EDUCATION

Western Governors University

Bachelor of Science in Computer Science (Graduated Dec 2024)

Jul. 2023 - Dec. 2024

University of New Mexico

Computer Science

Aug. 2019 - May 2023

PROJECTS & OTHER VENTURES

Espresso Machine Smart Pressure and Temperature Application

- Creating a software solution to monitor espresso portafilter extraction pressure and brewhead water temperature using a microcontroller and thermocouple on a manual lever espresso machine.

Competitive Gaming

- Rank #1 Super Smash Bros. Melee player in New Mexico since 2016.
- Travelled to national supermajors to compete and represent New Mexico.