Connor Hogan

Top Secret
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– RELEVANT EXPERIENCE –

Software Engineer **October 2024 to Present**
NASA / Arcata Associates – Huntsville, AL
- Responsible for supporting the Flight and Ground operations groups with ground support systems that handle NASA's high-rate space link data communications processing for International Space Station and the Artemis SLS vehicle.
- Responsibilities include software design, development, and integration of flight and ground operations software responsible for communications, commutation and processing of ISS data.

Software Engineer - Models & Simulation **December 2021 to May 2023**
Northrop Grumman / Insight Global – Huntsville, AL
- Create and modify algorithms and support tools in C/C++, Go, Python, Ada, and MATLAB in a secure environment.
- Plan and execute team projects, develop work packages, prototypes, and customer demonstrations, analyze algorithm performance, subsystems, and interfaces.

  Frontend
  - Create intuitive front end web applications using HTML/JS/CSS to display analysis data.
  - Experience using jQuery, Bootstrap, Plotly.

  Databases/Data Storage
  - Update and maintain large SQL (MariaDB) and NoSQL (MongoDB) databases.

  Misc
  - Experience using Git (BitBucket) and the Atlassian suite (Jira, Confluence, Crucible, Fisheye).

Mission Systems Engineer – Active Duty USAF **December 2019 to December 2021**
US Air Force – Offutt AFB, NE
- Perform aircrew duties aboard the RC-135 reconnaissance aircraft. Operate, maintain, repair, and test airborne communications, electro optical sensor, radar, computer, electronic protection (EP) systems, and electronic warfare (EW) systems.
- Experience in systems administration of RHEL 6/7 server systems and LDAP.
- Maintain crew resource management etiquette to ensure safe operations.
- Review and analyze complex wiring/circuit schematics and diagrams.
- Experience writing bash/shell scripts to automate common unix server management tasks.
- Experience managing large switching matrices.