Brody England

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Profile

An undergraduate computer scientist deeply interested in data science, machine learning, and cybersecurity for addressing complex real-world challenges. Demonstrates strong interpersonal skills, project management, and a keen eye for detail, underpinned by a passionate work ethic.

Education

Northern Arizona University, Flagstaff, AZ   Expected Graduation: May 2026
Bachelor of Science in Computer Science   GPA: 3.5
Minor in Cybersecurity

Work Experience

- **Research Intern** | Northern Arizona University   **January 2025 - Present**
  Working within the Complex Systems Informatics Laboratory and the FEWSION Project aiding the development of the world's most comprehensive global supply chain database and analytical capabilities.
  - Developing an open-source python package for computational hydrologic modeling using **Neo4j**.
  - Contributed to the development of 1 computational hydrology scientific manuscript.
  - Assisting in migrating a **Pyomo** linear solver to a HPC cluster project.

- **Senior Support Technician** | Northern Arizona University   **February 2024 - Present**
  Transitioned into a senior technician role with responsibilities of team management, training, and serving as project lead.
  - Trained and mentored five technicians in essential development, repair, and customer support skills, enhancing team collaboration and efficiency.
  - Assisted in developing and implementing tools and resources, including Linux and Windows PE environments, to achieve organizational goals and streamline tasks.

- **Student Support Technician** | Northern Arizona University   **November 2022 – February 2024**
  Worked within the NAU Student Technology Centre supporting all technological issues and service tickets across all NAU campuses serving over 29,000 students and staff.
  - Assisted and resolved over 1,000 tickets across a variety of technological issues.
  - Utilized a wide range of troubleshooting techniques and tools to diagnose and resolve both software and hardware problems.
  - Managed NAU hardware and software by implementing updates, installations, and repairs to ensure optimal system performance and reliability.

Projects

- **Timley** GitHub Repository
  - Designed, developed and deployed a web application that streamlines NAU course scheduling and collaboration for university students
  - Automated the process of importing schedules, organizing group meetings, and facilitating communication through integrated profiles, calendars, and notifications.
  - Built using Python with Flask, the app is hosted on my personal Linux server and integrates with learning management systems like Canvas to enhance student group coordination.

Skills & Technical Acumen

Technical Skills: Data Science, Statistical Modelling, Artificial Intelligence, Operating Systems, Software Engineering, Geographic Information Systems, Penetration Testing, Cybersecurity, Web Development.

Programming Languages: Python, C/C++, Bash, JavaScript, MIPS Assembly, Go, Ruby, SQL, HTML/CSS, PowerShell.