

Felix Childress

Indianapolis, IN 46254 • felixmchildress@proton.me • +1 (317) 499-5597

Education

EARLHAM COLLEGE

Richmond, IN

Bachelor of Arts in Computer Science

August 2022 – December 2026

- Earlham Honors program
- **Thesis:** Leveraging Language Models for Flow-Based Network Intrusion Detection
- **Relevant Coursework:** Cybersecurity, Networks and Networking, Systems Engineering and Administration, Software Engineering, Algorithms, Data Structures, Principles of Computer Organization, Number Theory

LEUPHANA UNIVERSITÄT LÜNEBURG

Lüneburg, Germany

Semester abroad

January – May 2026

- **Relevant Coursework:** Elementary German, Intermediate German

Publications

N. T. Vy Nguyen, **F. D. Childress** and Y. Yin, “Debate-Driven Multi-Agent LLMs for Phishing Email Detection,” *2025 13th International Symposium on Digital Forensics and Security (ISDFS)*, Boston, MA, USA, 2025, pp. 1-5, doi: 10.1109/ISDFS65363.2025.11012014.

C. Pethe, B. Pham, **F. D. Childress**, Y. Yin and S. Skiena, “Prosody Analysis of Audiobooks,” *2025 19th International Conference on Semantic Computing (ICSC)*, Laguna Hills, CA, USA, 2025, pp. 217-221, doi: 10.1109/ICSC64641.2025.00036.

Experience

EARLHAM COLLEGE

Richmond, IN

Junior System Administrator

February 2023 – Present

- Maintained physical servers and network infrastructure for the entire college
- Installed, configured, and maintained both Linux and Windows server systems for all Earlham students
 - Ensured smooth operation of IT resources for both staff and students
- Managed user accounts, passwords, and access privileges to ensure secure and efficient access to applications and data campus-wide
- Troubleshoot and resolved hardware and software issues across school systems and local equipment
- Reduced server downtime through proactive monitoring and automated patching to improve campus-wide system reliability

Hardware Interface Project

February 2022 – September 2024

- Contributed to an interdisciplinary team focused on developing and maintaining environmental hardware projects across Earlham College's campus
- Developed a JavaScript backend to process CSV sensor data for real-time weather visualizations at Miller Farm's DIY weather station
- Installed and maintained electrical infrastructure and power systems for Miller Farm workers and students
- Supported the setup and maintenance of projection systems at the Joseph Moore Museum to enhance educational displays

SKÁLANES NATURE AND HERITAGE CENTER

Seyðisfjörður, Iceland

Research Assistant

July 2024

- Conducted aerial surveys across eastern and southern Iceland using Autel Robotics EVO II drones
 - Traversed the Sólheimajökull outlet glacier on foot to monitor ice melt rates, contributing to faculty research on climate change-induced glacial retreat
 - Surveyed the three rivers leading to the research center to assess erosion rates over time and its impact on the surrounding environment
- Generated 3D landscape models using WebODM for comparative erosion analysis by future research teams
- Collected and analyzed soil samples from Seyðisfjörður mountains to evaluate soil quality and the overall health of the fjord's biodiversity
 - Contributed data to station's longitudinal environmental studies
- Developed and implemented photo-capturing software for monitoring marine activity in the fjord

Skills, Interests, and Activities

Languages: Python, SQL, C, JavaScript, Kotlin, Ruby

Languages (Natural): English (native), German (A2–B1)

Systems and Tools: Linux (Ubuntu, Arch, Debian, Kali), Microsoft Windows, Microsoft Office, Q-GIS, WebODM

Certifications: StarGuard Lifeguard (236439)

Research: Network Security, Computer Systems and Infrastructure, Digital Humanities