

# WILLIAM J. KNAPTON

wknapton@mac.com • Churchville, MD • (443) 299-9788

<https://www.linkedin.com/in/wknapton/>

---

## Cybersecurity Engineer

Creative problem solver, recently expanded computer/electrical engineering skills with multiple industry-recognized certifications. Constantly enhancing cybersecurity knowledge by participating in Capture the Flag (CTF) challenges and online courses. Analyzes and communicates complex technical concepts for people from different backgrounds and with varying degrees of technical knowledge. Accurate and attentive to detail with a flair for language. Translator of several novels from German to English.

## CERTIFICATIONS

CompTIA Security+ ce, 3/2022 – 3/2025  
CompTIA Network+ ce, 2/2022 – 3/2025  
CompTIA A+ ce, 1/2022 – 3/2025  
EC-Council Certified Ethical Hacker (CEH), 6/2022 – 6/2025  
ISC<sup>2</sup> Certified in Cybersecurity (CC), 11/2022 – 10/2025  
CompTIA IT Operations Specialist, 2/2022  
CompTIA Secure Infrastructure Specialist, 3/2022  
Currently studying for CompTIA Linux+ and AWS certifications

## SKILLS

Cloud Services Administration: Microsoft 365, Google Workspace  
Operating Systems: Windows, Linux, MacOS  
Programming Languages: C, Pascal, Python  
Cybersecurity Tools: Wireshark, nmap, Kali Linux  
Technical Skills: Matlab, data collection, system logging, data analysis, algorithm development

## EXPERIENCE

VOLUNTEER SYSTEM/NETWORK ADMINISTRATOR 3/2020 – Present

Unitarian Universalist Fellowship of Harford County, Churchville, MD

*Part-time 5 hours per week, extra hours as needed, unpaid position*

- Interacted with various working groups and committees to identify and define problems and develop and implement strategies to solve complex technical problems
- Applied knowledge, experience, and critical thinking skills to make decisions on compromises for technical systems for use by people with varying levels of technical skill
- Designed, installed, and managed internal network incorporating best practices for hardening networking equipment, including routers and layer-3 switches
- Identified and defined requirements for system enabling interaction between congregation in large auditorium and participants in Zoom and procured bids for this system as part of a team
- Spearheaded the installation of the interactive system, utilizing existing components and selecting the optimum components for system specifications, saving the congregation more than \$10,000
- Wrote and edited documentation for volunteers to operate the interactive system
- Managed network/computer equipment for church staff and volunteers
- Collaborated with a team to determine the best methods for managing and running meetings and services via Zoom
- Provided support to church staff and volunteers in use of Google Workspace (formerly G Suite)
- Advised and implemented remediation actions for incidents of phishing and malware
- Elected member of Executive Board tasked with ensuring financial stability of the fellowship

## GERMAN TECHNICAL TRANSLATOR

7/2000 – Present

Self-employed, Churchville, MD

*Full-time 40 hours per week plus overtime as needed*

- Recognized as Volkswagen linguist of the year 2018, translating more than 200 engineering documents rated high quality
- Translated engineering test standards and performance specifications from German into English
- Adhered to quality standards and company style guide while meeting strict deadlines and managing multiple orders simultaneously
- Evaluated descriptions of state-of-the-art electronic and mechanical systems for plausibility and accuracy
- Translated engineering documents describing systems incorporating aspects of automotive engineering, battery electric vehicles, hybrid vehicles, autonomous software systems, microcontrollers and control modules, pneumatic systems, machining and finishing systems, and secure on-board communications
- Kept abreast of rapid advances in state-of-the-art technology in electrical and mechanical engineering, mathematics, science, patent law

## MATH/SCIENCE/COMPUTER TUTOR

1/2000 – Present

Private students, Mathnasium, Remind Tutoring, Churchville, MD

*Part-time 5 hours per week plus additional hours as needed*

- Taught and explained complex technical concepts to students of different ages and backgrounds
- Subjects include calculus, trigonometry, Cisco hardware and IOS, networking and security fundamentals, computer architecture, information assurance, geometry, algebra, vector and matrix mathematics, and chemistry

## TECHNICAL EDITOR

Ralph McElroy Translation Company, Austin, TX

*Full time 40 hours per week plus overtime as needed*

9/1998 to 7/2001

- Edited translations of electrical, computer, and mechanical engineering documents for content, clarity, and readability
- Ensured accuracy of translation relative to original document

## ELECTRONICS ENGINEER

Naval Research Laboratory, Washington, DC

*Full time 40 hours per week plus overtime as needed*

9/1995 to 9/1998

- Interacted independently and proactively with different teams of contractors and federal agencies to identify and define technical requirements in support of mission-oriented programs, including data collection, system logging, data analysis, and algorithm development
- Applied knowledge, experience, and critical decision-making skills to contribute proposals for compromises on complex technical issues
- Designed and wrote programs in C for a graphical user interface to collect data for an experimental radar system
- Wrote data analysis programs in MATLAB for processing raw radar data and extracting target signals from radar data collected at sea
- Collaborated with a team studying space-time adaptive signal processing and participated in group competition processing data sets from Rome Laboratory
- Maintained and operated experimental radar equipment onboard US Navy vessel
- Interacted with customers to develop a strategy to construct a database of 461 3D ship models using AutoCAD as part of a team
- Wrote and edited reports, including design and layout of presentation aids for senior members of the department
- Maintained network of SGI, Sun, PC, and Apple computers

## ENGINEERING INTERN

Ernst-Mach-Institut, Weil am Rhein, Germany

*Part time 30 hours per week, unpaid internship*

6/1994 – 7/1994

- Wrote Pascal and Mathematica programs for data analysis
- Developed and tested basic electronic components and circuits
- Designed and manufactured printed circuit boards
- Wrote and edited reports, including translation of German text into English

## EDUCATION

Harford Community College, Churchville, MD

Coursework for A+, Network+, Security+, Linux+, and Certified Ethical Hacker certifications

Brown University, Providence, RI

BS, Electrical Engineering, 3.6 GPA