

## CV

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### PROFILE

Recent Computer Science graduate currently pursuing a Master's in Cybersecurity at Högskolan Väst. Strong foundation in software development and AI, now expanding into cybersecurity through hands on labs and projects involving industrial control systems, PLC control, firewall configuration, and intrusion detection. Seeking a Master's thesis or part-time role in cybersecurity to apply both development and security skills.

### EDUCATION

**MSc Cybersecurity** | Högskolan Väst | Trollhättan | 2025-Present

- Practical work with OpenPLC, Modbus/TCP, centralized logging and Fail2Ban
- Completed labs on vulnerability scanning, honeypot monitoring and firewall configuration

**BSc Computer Science** | Jönköping University | Jönköping | Aug 2022 - May 2025

- Thesis: AI-based real-time people counting using video cameras RGB, depth and infrared data, ensured privacy through anonymization.

**High School, Natural Science** | Katrinelundsgymnasiet | Göteborg | Jun 2021

### EXPERIENCE

**Cybersecurity Labs** | Högskolan Väst | 2025

- Sup OpenPLC servers and Desktop VMs to control water pumps with start/stop logic and safety interlocks.
- Configured firewalls with nftables to allow only authorized access.
- Implemented centralized logging and Fail2Ban to detect and block intrusion attempts.
- Performed vulnerability scans and simple attack simulations, documenting results.

**Thesis** | Jönköping University | Jan 2025 – May 2025

- Built a real-time system to count people in classrooms using RGB, depth, and infrared video
- Applied deep learning and data fusion to improve accuracy in varied lighting and occlusion scenarios.

**Developer/Tester Intern** | Sweco | Jönköping | Mar 2023 – May 2023

- Performed unit testing and bug fixes with NUnit.
- Developed proof-of-concept mobile app using React Native and integrated REST APIs.

**Part-time Arena Staff** | GotEvent | Göteborg | Jan 2020 – Aug 2023

- Customer service, coat check, cleaning, and operations at Scandinavium and Ullevi arenas.

**Assistant Support** | Göteborg Stad | Göteborg | Jun 2022 – Mar 2025

- Assisted individuals with special needs, including administering medication.

## **SKILLS**

### **Cybersecurity & Networking:**

- OpenPLC, Modbus/TCP, industrial control system security
- Linux administration, nftables firewall, intrusion detection (Fail2Ban)
- Vulnerability scanning, attack simulations, centralized logging

### **Programming & Software Development:**

- Python, C++, Java, Kotlin, Swift
- React, Node.js, REST APIs
- Unit testing (JUnit), Agile development, software design patterns

### **AI & Machine Learning:**

- Deep learning (YOLO), data fusion
- Supervised and reinforcement learning

### **Tools & Version Control:**

- Git, GitHub, Docker (basic)

**LANGUAGES** English | Swedish | Tigrinya

**ADDITIONAL INFORMATION** Driving License B

**INTERESTES:** Reading, Music, Football