

Experience

- Master's Thesis Student** | Axis Communications *Jan 2019 - Present*
- Exploring long term, accessible storage solutions for surveillance video.
- Software Developer** | Axis Communications *Jun 2018 - Jan 2019*
- Designed and implemented a multi-threaded, efficient, and searchable logging application in .NET using C#, SQLite and WPF; the application parses large log files and uses UI virtualization with SQLite to present the log entries into a readable and scrollable format with very little performance impact.
 - Improved efficiency for developers and support staff, improving memory performance by more than 50% and loading times by 20% compared to old tools, leading to a part-time position after completion of internship.
 - Deployed internal alpha testing for gathering feedback to improve the design and usability of the tool.
- Lab Instructor / TA** | Lund University *Sep 2016 - Feb 2018*
- Taught and helped groups of over 80 students in three different courses: Computer Introduction, Digital Systems, and Computer Organization.
 - Course content included: Introductory programming, Linux usage, digital circuit building, C and Assembly programming, computer architecture.
- Programming Instructor** | Cool Minds *Aug 2015 - Aug 2016*
- Taught children in the ages of 7 to 12 how to program with visual programming.
 - Groups of 10-25 children per occasion.

Projects

- AXIS Camera Project**
- Built software for receiving images from surveillance IP - cameras over a network.
 - Tasks included client and server implementation in Java, as well as handling concurrency and timing challenges.
- ARIAC 2018**
- Developed an automated factory in using the Robot Operating System for the ARIAC 2018 competition to handle robot agility. Developed using Python and ROS, along with ROS plugins.
- XL**
- A mockup of Excel. Implemented in Java with strong focus on design patterns and MVC design.
- Paint**
- Implemented a Paint-like program in Java to learn more about Java's UI toolkit, and common user interface techniques.

Skills

Languages

- C#
- Java
- Python
- C/C++
- Haskell
- Assembly (x86)

Tools

- SQL
- Git
- Linux
- HTML/CSS
- WPF
- .NET
- Keras

Education

- MSc Computer Engineering and Science** • 2014-2019 •
Lund University, Sweden.
- Exchange Student** •
Fall 2017 • University of Waterloo, ON, Canada.

Relevant Courses

- Compilers
- Computer Vision
- User Interfaces
- Applied Machine Learning
- Artificial Intelligence
- Computer Security
- Concurrent Programming