Anton Danewid

anton.danewid@gmail.com
github.com/AntonDanewid
+46 709 90 28 44

Experience

Master Thesis Student| Axis Communications · *Jan 2018 - Present*
- Exploring long term, accessible storage solutions for surveillance video.

Software Developer | Axis Communications · *June 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