Anton Danewid

Computer Science and Engineering
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Experience

Software Developer | Axis Communications   *Sep 2018 (Current)*
- Developing internal logging tools in .NET with C# to improve efficiency for developers and support staff.
- Deploying internal alpha testing for gathering feedback to improve the design and usability.

Software Developer Intern | Axis Communications   *June – Aug 2018*
- Designed and implemented a multi-threaded, efficient, and searchable logging application from scratch 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.
- Performed market analysis and user testing to gather feedback and improve the usability of the application.

Lab Instructor / TA | Lund University   *Sep 2016- Feb 2018*
- Taught and helped 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.
- Groups of over 80 students per occasion.

Programming Instructor | Cool Minds   *2015-2016*
- 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

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

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

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
- Interaction Design