

# Aki Sirkiä

# Curriculum Vitae

GitHub: Aki Sirkiä

Website: [www.akisirkia.dev](http://www.akisirkia.dev)

## Education

Bachelor's degree in Computer Science, Kristianstad University (Graduation Date: 06/2023)  
GPA: 3.9 (out of 4.0). Thesis project: Exploring Hardware-Based Randomness Generation on Android Devices: A Comparative Analysis.

## Work Experience

### Teacher's Assistant, Kristianstad University (2022 – 2023)

- Assisted with course content delivery for a Data Structures and Algorithms course.
- Provided one-on-one help during office hours to assist students with assignments.
- Delivered a lecture on design patterns, enhancing students' understanding of the subject.

### Full Stack Developer & IT Assistant, Haagan Sirtekma Oy (2017 – 2020)

- Developed a full-stack digital platform using Angular, Node.js, and MySQL for backing up essential documents.
- Managed procurement of essential IT equipment, ensuring the organization had the necessary tools to perform effectively.
- Served as the first point of contact for technical troubleshooting, demonstrating problem-solving skills and a strong understanding of various IT systems.
- Developed and implemented training sessions on cybersecurity, particularly in the prevention of social engineering, enhancing overall company security and staff awareness.

### Professional Billiards Player (2016 – 2019)

- Honed essential skills such as self-improvement, focus, independence, and initiative.

### Conductor, Finnish Railway (2012 – 2016)

- Operated as part of a high-performance team, demonstrating strong teamwork and independence.
- Led multiple train runs, showcasing initiative and adaptability during rapidly changing situations.

### Private Security Industry (2006 – 2014)

- Executed diverse tasks, including fieldwork, security audits, and surveillance operations.
- Managed high-stress situations with quick adaptation skills.

**Software Development Experience:**

- Knowledge of Agile development methodologies and experience working in Agile teams.
- Proficient in multiple programming languages, including Python, Typescript, JavaScript, Java, and Kotlin.
- Experienced in developing web applications using React, Angular, HTML, CSS, Node.js, Express.js, and Django.
- Familiar with databases such as MySQL, MongoDB, Firebase, and Firestore.
- Skilled in big data technologies like Hadoop and Spark.
- Familiar with version control systems such as Git.
- Experience working on both Windows and Linux operating systems.
- Knowledge of machine learning libraries such as scikit-learn.

**Personal Statement**

Graduating with a Bachelor's degree in Computer Science from Kristianstad University marked my first significant milestone in becoming a versatile software developer. In a previous role, I discovered my passion for programming while developing a backup system for physical documents. This hands-on experience honed my problem-solving skills and laid the foundation for my decision to pursue a higher degree in Computer Science.

While serving as a teaching assistant for a data structures and algorithms course at Kristianstad University, I had the opportunity to lead a lecture on design patterns. This experience not only helped deepen my understanding of the subject but also allowed me to nurture my leadership and communication skills. Delivering a lecture to a large group of students, I was able to convey complex ideas in an accessible and engaging manner. This achievement, I believe, exemplifies my ability to adapt, learn, and contribute effectively in challenging scenarios.

My interests lie in testing and security, areas where I believe I can make significant contributions. I am working towards Google's Certificate in Data Analytics to enhance further and versatile my skill set. Looking ahead, I aspire to join an innovative company where I can leverage my technical prowess and team collaboration skills to deliver robust software solutions.

*References available upon request.*