Aki Sirkiä | Curriculum Vitae

GitHub: Aki Sirkiä

Personal Statement

Since graduating with a Bachelor's degree in Computer Science from Kristianstad University, I am eager to employ my passion for programming and problem-solving in diverse technology areas. My introduction to software development started in my prior work; I was tasked with developing a backup system for physical documents. With no initial experience, I embraced the challenge of learning on the job and gaining practical hands-on understanding. This venture ignited my pursuit of academic education, underlining my aspiration to excel professionally.

I've taken online courses to broaden my knowledge base, focusing on data structures, algorithms, and design patterns. Currently, I am working towards obtaining Google's Certificate in Data Analytics, which further complements my technical skill set.

While at Kristianstad University, I worked as a teaching assistant for a data structures and algorithms course. This experience allowed me to nurture my leadership and communication skills while deepening my understanding of core computer science concepts. My particularly interested are in testing and security. My diverse experiences, including roles demanding adaptability and teamwork, academic achievements and passion for continuous learning, equip me to thrive in a dynamic and innovative environment.

Education

Bachelor's degree in Computer Science, Kristianstad University (Expected Graduation Date: 06 2023) GPA: 3.88 (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 data structures and algorithms course. Held office hours and helped students with assignments. Held a lecture about design patterns and held help sessions.

Full Stack Developer 2019 - 2020	Developed a full-stack project for a client using Angular, Node.js, and MySQL. Created a digital platform and backup system for essential documents.
Professional Billiards Player 2016 - 2019	Established dedication, self-improvement, focus, and independent responsibility skills.
Conductor, Finnish Railway 2012 - 2016	Worked as part of a team with high demands for independence and teamwork. Promoted initiative when situations changed rapidly. Designated as the lead conductor in multiple train runs.
Private Security Industry 2006 - 2014	Performed diverse tasks ranging from basic fieldwork to external security audits and surveillance operations. Trained and licensed to handle special equipment and difficult situations. Handled high-stress situations and tasks with quick adaptation skills. Occasionally designated as lead responsibility for spontaneous events.

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 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.

References

Available upon request.