

Zulius Roolf

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Introduction

I'm Zulius, raised in Trollhättan and now reside in Karlskrona. I get excited over product development and love problem-solving. On my free time I enjoy playing badminton, volleyball and taking long walks. I'm in search of a product development role where I can grow and learn with adventurous individuals.

Education

Blekinge Institute of Technology, Karlskrona – BS in Software Engineering	Aug 2020 – Feb 2025
Reykjavik University, Reykjavík – Exchange Studies in Software Engineering	Aug 2023 – Dec 2023
LBS Kreativa Gymnasiet, Trollhättan – High school degree in Game Development	Aug 2017 – June 2020

Experience

Android Developer (R&D Intern), Ericsson – Karlskrona, Sweden July 2025 – Present

- Reduced QR code scanning latency by 650 milliseconds, by implementing Google's ML kit
- Improved app stability by refactoring **Bluetooth** messaging protocol
- Optimized 'first launch' experience by adding permission checks on startup

Lab Rat, Blekinge Institute of Technology – Karlskrona, Sweden Nov 2022 – June 2025

- Reduced code transfer time by employing a **Bash** script to connect the robot through **SSH**
- Increased the enjoyment score from 3.5 to 4.36 by redesigning the troubleshooting programming workshop to focus on hands-on robot movement programming

Internship, Malvacom – Karlskrona, Sweden Jan 2024 – May 2024

- Ensured data privacy in AI training by building a data washer in **Python**, anonymizing 90% of personal information using regular expressions and manually configured filters
- Analyzed the average precision of our **GPT RAG** classifier to be 61% using the provided data set

Internship, Ericsson – Karlskrona, Sweden Jan 2023 – May 2023

- Optimized the productivity of the team by lecturing and incorporating **Git** into our workflow
- Decreased overall deployment time by implementing multithreaded dependency deployment in **Java**

Projects

Big Nerd Ranch's Guide to Android github.com/zuliusroolf/android-the-big-nerd-ranch-guide

- Created a pizza topping visualizer with **JetPack Compose** in **Kotlin**
- Built a 'Crime Scene' record interface using **Kotlin**, implementing app permissions, SQLite, camera, implicit intents, localization and TalkBack accessibility

Portfolio Website Template zulius.me | github.com/zuliusroolf/portfolio-template

- Designed to present projects visually through video and clean UX, inspired by Seyit Yilmaz.
- Built the entire website with HTML, CSS, and JS to understand the problems that other frameworks solve.
- Implemented reading content from JSON files, making it easy to maintain and update projects.

Bachelor Thesis on Generative AI diva-portal.org/smash/record.jsf?pid=diva2:1941180

- Explored GPT-4's Role in Automating and Assisting Researchers with Oscar Wystråle.

Certificates

Driver's License: AM / B