

# Axel Karjalainen

Software Engineer

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## Experience

### TET intern

20.5.2024 - 24.5.2024

KUORI

Espoo

- Embedded programming using C++ and PlatformIO
- Automatic regression testing platform
- Development of an embedded system

C++   Embedded   Testing   Electronics   Nix

## Projects

### Crafty 4

Dec 2020 - Aug 2022

ARCADIA TECHNOLOGY

- Game server controller
- Built using Python and the Tornado web server
- HTML+JS+CSS user interface
- MVC architecture

Python   HTML   CSS   JavaScript

## Koulutus

### Scala Programming 1 MOOC

Fall 2021

AALTO UNIVERSITY

5 op.

- OOP programming
- Functional programming
- User interfaces using the Swing library

Scala

### Introduction to Programming MOOC

Spring 2022

HELSINKI UNIVERSITY

5 op.

- Python programming basics
- CSV and JSON data processing

Python

### Advanced Course in Programming MOOC

Fall 2022

HELSINKI UNIVERSITY

5 op.

- OOP programming
- Functional programming
- Exam

Python

## Technical Skills

### Languages

Python   TypeScript   Rust   C++   Java  
Kotlin   HTML   CSS

### Technologies

Linux   Git   PostgreSQL   React   Svelte  
Flutter   Jetpack Compose   Nix   Docker  
CI/CD

### Engineering

OpenSCAD   Fusion 360   3D Printing  
Laser-cutting

### Embedded platforms

ESP32   Raspberry Pi Pico   Raspberry Pi  
Arduino

## Languages

**Finnish**   Native Speaker

**English**   Fluent