

SIMON ARYS

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EXPERIENCE

Freelance Web Developer – Wecodx

Fall 2021 - Present

- Start-up developing websites, platforms, mobile applications, design, etc.
- Work on the development of web applications

EDUCATION

Computer Science – UCLouvain

- Master's degree 2022-now
- Bachelor's degree 2019-2022
 - Magna cum laude
 - Minor "Additional module in computer science"

SOFTWARE SKILLS

- **Proficient in:** C, Java, Python, JavaScript, Node.js, HTML5, CSS, Kotlin, C#, MongoDB
- **Worked in:** PHP, Symfony, Twig
- **Other:** Linux, LaTeX, Git

PROJECTS

Open Week – UCLouvain 2022

- Modify OpenSSH to add the ability to use the Multipath TCP protocol, both on the client and server side

Game Jam – Louvain-Li-Nux 2021

- 24 hours to build an open-source video game in Python in teams of 4 people

Personal Project – 2021

- Android app to manage cooking recipes written in Kotlin and using Android's Room Database

University Projects – UCLouvain

- Truncated reliable transport protocol based on UDP, using Selective Repeat and FEC packets to handle loss, corruption, duplication, delay and latency
- Android app to automate the filling of the AWSR Road Book pdf needed to get the driving license in Belgium
- Analyzing graphs in python to get values (e.g., page rank, balance degree, triadic closures, path lengths, bridges, etc.)
- Customized version of Captain Sonar game implemented in declarative code and multi-agent programming
- Comparing the performance of the POSIX library with our own test-and-test-and-set on programming problems
- Program in C to handle tar archives (analyze the structure, list the files in a folder, follow symbolic links, etc.)
- Multithreaded C program to compute clusters and centroids from graphs stored as binary files
- "Guess Who?" style game created using Oz language (no loops and single assignment)
- Machine learning project, doing data exploration, feature selection/extraction, modelling and cross-validation
- And many other projects listed on my website

CERTIFICATIONS

CompTIA Network+ – Udemy

Summer 2022

- Certificate of course completion, covering troubleshooting, configuring and managing networks

JavaScript Algorithms and Data Structures – freeCodeCamp

Summer 2021

- Object Oriented Programming and Functional Programming in JavaScript

Kotlin for Java Developers – JetBrains

Winter 2021

- Syntax, nullability, standard library, Java interoperability, Kotlin/JVM

Introduction to Git and GitHub – Google

Summer 2020

- Collaborate with others through remote repositories

LANGUAGES

French – Native

English – Professional working proficiency

German – Elementary proficiency