

Anass Hamzaoui

SOFTWARE ENGINEER · DEVELOPER

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Skills

DevOps	Docker, CircleCI, Github, Gitlab, Scrum, CI/CD
Web/cloud services	Microservices, Node.js, Flask
Back-end	Prisma, FAST API, Flask, REST API, Postgressql, SQL
Front-end	React, HTML5, CSS, Javascript/Typescript, Three.js, Tailwindcss, Svelte-kit, Vue.js, Figma, (custom)tkinter
Data procescing	NumPy, Pandas
Machine Learning	PyTorch, TensorFlow, Scikit Learn
Programming	Python, C++, LaTeX, Java, CSharp
Image recognition/proccesing	MediaPipe, OpenCV
Languages	Dutch, English, Arabic, French(elementary)

Experience

Turnet IT

NETWORKING AND FULLSTACK DEVELOPER

- Managing network and servers for clientel
- Developing and maintaining websites
- Adding functionality to existing software

Remote - Client office

July 2024 - Present

LIDL

ALLROUND EMPLOYEE

2470, Retie

sep. 2023 - feb. 2024

Mise en Place

ALLROUND EMPLOYEE

2000, Antwerp

Sep. 2022 - May 2023

Brepols

WAREHOUSE MANAGEMENT

2300, Turnhout

July. 2022 - Sep. 2022

UGC Cinema

ALLROUND EMPLOYEE

2300, Turnhout

Dec. 2021 - July. 2022

MC Donalds

ALLROUND EMPLOYEE

2300, Turnhout

Jan. 2019 - Dec. 2021

QTaro (Japanese Restaurant)

ALLROUND EMPLOYEE

2300, Turnhout

Feb. 2018 - Jan. 2019

Education

UA(University of Antwerp)

B.S. IN COMPUTER SCIENCE AND ENGINEERING

Antwerp, Belgium

Sep. 2020 - July. 2025

Talentenschool Turnhout

MULTIMEDIA

Turnhout, Belgium

Sep. 2019 - July. 2021

Heilig graf Turnhout

ONDERNEMEN EN IT

Turnhout, Belgium

Sep. 2018 - July. 2019

Extracurricular Activity

Context free automata simulator

BACK-END DEVELOPER

Belgium

Sep. 2022 - Mar. 2023

- Implemented Context free automata and grammar simulator + Conversion (to CNF)

Secure communication protocols

BACK-END DEVELOPER

Belgium

Sep. 2023 - Jan. 2024

- Developed and implemented various cryptographic solutions including AES, Salsa20, RSA (with OAEP and Rabin-Miller primality), and MAC using SHA1/HMAC-SHA512
- Ensured secure communication through encryption, key exchange protocols, and defenses against attacks like MitM and replay, while configuring servers for decryption, authentication, and message integrity.

News aggregator

FULL-STACK DEVELOPER

Belgium

Sep. 2022 - Feb. 2023

- Developed a comprehensive news aggregator platform, integrating backend services with a dynamic front-end interface

Digital city twin

FULL-STACK DEVELOPER

Belgium

Sep. 2023 - May 2024

- Played part the development of a Digital City Twin platform, enabling users to create and simulate digital twins of cities for urban planning and analysis

Microservices Event manager

DEVELOPER

Belgium

Apr. 2024 - May 2024

- Developed a Flask-based event management frontend with user authentication and calendar features, alongside a modular FastAPI backend API, and configured PostgreSQL for database schema creation.

Markov Chain text generator

SOFTWARE DEVELOPER

Belgium

Sep. 2022 - Dec. 2022

- A text generator based on Markov chains, capable of generating text based on a given input text.

ASL Detection

DEVELOPER

Belgium

Jan. 2024 - May 2024

- Implemented two models for sign language recognition (pixel values and landmarks), with a GUI for real-time hand tracking using MediaPipe and OpenCV, in collaboration with Jason Liu and Orfeo Terkuci.