Mladen **Golo (2004)**

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EDUCATION

High School of Čapljina
ELECTRICAL TECHNICIAN   *Aug. 2019 - June 2023*

Fakultet Informacijskih Tehnologija — Džemal Bijedić
SOFTWARE ENGINEERING   *Oct. 2024 — Present*

EXPERIENCE

Backend Development (Intern)   *NSoft, Mostar*
NOVICE BACKEND DEVELOPER   *July 3rd, 2023 - August 25th, 2023*
• Developed the backend logic of a proof-of-concept terminal application over the course of 2 months, alongside 3 other interns.

PERSONAL PROJECTS

OCSysInfo

Light-weight, efficient and cross-platform CLI application for discovering hardware information about the system, written in Python. Available here.

OSX-Mem-Hook

Simplistic example of finding a symbol in memory, then overwriting that region of memory from another process on macOS. Available here.

Poccy

A simple (still WIP) UEFI x86-64-exclusive operating system written in C. Available here.

poccyOSBootloader

A custom UEFI bootloader built for `poccy`. Available here.

SKILLS

Programming	**C** (3 years of self-taught experience), **C++** (3 years of self-taught experience), **C#** (3 years of self-taught experience), **Haskell** (1 year of self-taught experience), **Python** (4+ years of self-taught experience), **TypeScript** (6+ years of self-taught experience), **Java** (1 year of self-taught experience, and 2 months of professional experience)
Front-End	**React**, **VueJS**
Back-End	**Redis**, **NodeJS**, **MariaDB**, **PostgreSQL**, **MongoDB**, **Spring Boot**
Low-level	**GDB/LLDB**, **IDA**, **Basics of Networking**
Other knowledge	**UNIX-based systems**, **Git version control**, **CI/CD (GitHub in particular)**, **OS/kernel development (familiar with both the Linux and XNU kernels)**, **Unity/UE development**

More About Me

Tech-savvy, self-taught 20-year-old software developer eager to expand his knowledge; enthusiastic in developing algorithms, optimisations, proper documentation and systems development. Bringing unique problem-solving approaches and vast personal knowledge where applicable. Particularly interested in systems/embedded development (particularly OS development), backend web development, and many, many more fields.

Languages

- English (fluent; native)
- Croatian/Serbian (mother tongue; native)
- German (novice-level)

Achievements

- Won 2nd place at an international Python programming competition hosted by Raffles University Iskandar;
- Finished a 2-month internship at one of the most powerful companies developing gaming and betting solutions (NSoft. Certificate shown upon request).
- Officially joined Mensa as a member on April 2nd, 2024