Michael Constantine Dimopoulos

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Education

International Hellenic University — Thessaloniki, Greece
Integrated Master's in Computer Science & Electrical Engineering at iee — *Sep. 2020 – June 2025*

- Structured programming with C, Object-oriented programming with Java, Web technologies, x86 Assembly
- Computer Organization and Architecture, Algorithms & Data structures, Operating Systems, Database Management, Digital Electronics
- Calculus & Analysis, Discrete Mathematics, Probability & Statistics, Physics & Electromagnetism

Lyceum of Koroneia — Lagkadikia, Thessaloniki, Greece
Secondary education, finished with a grade of 89/100 — *Sep. 2017 – June 2020*

English Proficiency Certification (ECPE, C2) — Thessaloniki, Greece
Certified by the University of Michigan and Cambridge University — *Dec. 2017*

Skills

Unix & System Administration

- Been using Arch Linux for years, and have also used Debian-based distributions and OpenBSD
- Hosting my own website (mcdim.xyz), an email server, and a git server

Languages & Technical Office skills

- Greek: C2 (Native speaker)
- English: C2 (Certified)
- Able to use Latex, Markdown, Roff, beaver to compile PDFs, Presentations etc.

Tech Stack & Tools

Languages: C, Python, C++, Shell, Golang, SQL (Postgresql, SQLite), Java, vanilla JavaScript, HTML/CSS, awk
Developer Tools: Git, Linux, VI, Make, SSH, sftp, GDB, Valgrind, GCC, clang, tcc

Projects

Narthex | *C, Shell, Make, Git, Roff, Markdown* — webpage github git

- A set of tools for Unix operating systems to manipulate and generate wordlists for password attacks
- Modular, extensible & customizable design, can be used in scripts or in combination with other programs
- Has been downloaded hundreds of times & is included in the BlackArch core tool collection

Houndsniff | *C, Shell, Make, Python, SQLite, Git* — webpage github git

- Hash identification tool that uses internal database to compare hash information
- Includes options for an interactive console & a scripting mode
- Also wrote a version in Python that uses an SQLite database

Lykan | *C, Make, Shell, Git* — github

- Password leak analysis tool that calculates statistics based on input files
- Generates visual charts of the data, includes a progress bar and other features

Asciifier | *Python, Git* — github

- Python script that turns images into ASCII art
- The size of the art is determined by the amount of columns and rows of the terminal window
- The characters used, the brightness, and the aspect ratio can all be easily tweaked from the source code

Miscellaneous

- BlackJack: Simple password cracking tool in C++. Also wrote a version in Python | *C++, Python*
- Narthex testing script that calculates output hashes and compares them to the expected results | *Shell*
- Colloide: Python script for directory bruteforcing | *Python*
- Sudophish: Self-destructive script posing as sudo to phish passwords | *Shell*
- HyperSec: A small website with online security tools (under development, only the server-side tools were written by me) | *HTML/CSS, Shell*