

Daniele Cortesi



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Turin, Italy

About

Daniele, a skilled software developer hailing from Italy, has harbored a deep passion for computer science since his youth, prompting him to delve into programming at the age of 11. His professional journey encompasses diverse projects, spanning from intricate low-level network management to robust software security solutions

Projects

- **Nimgram**

An MTPProto client written in Nim. It handles many tasks, from cryptography to asynchronous networking.

<https://github.com/nimgram/nimgram>

- **Recraft**

A re-implementation of the Minecraft: Java Edition protocol in Go.

<https://github.com/recraft/recraft-server>

- **NTgcalls**

An high-level wrapper of WebRTC to allow users to connect easily to Telegram's voice chats. Helped creating the base.

<https://github.com/pytgcalls/ntgcalls>

Awards

- **Gold Medal @ OliCyber**

OliCyber is the first national olympics related to software security. The competitors have to solve software security challenges in the form of a Jeopardy CTF ("Capture The Flag"). Daniele was able to beat over 1000 students and placing fifth in the final ranking.

Skills

- **Software Automation**

Web scraping, browser automation (Selenium, Puppeteer, Playwright).

- **Pentesting / Reverse Engineering**

Web Application Security, software security analysis and resolution.

- **Backend Development**

REST HTTP APIs development, lower level TCP server/client development.

- **Frontend Development**

HTML/CSS/JS and also extended frameworks (React, Nuxt, Svelte/Sveltekit).

- **Server sysadmin**

Linux server preparation & deployment using Cloudinit, Ansible, Docker/Kubernetes
Server-side application management (NGINX, Caddy, Traefik, Systemd)