Gabriel Cruz

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github.com/gmelodie · gmcruz.me

EDUCATION

B.S. IN COMPUTER SCIENCE
University of São Paulo | ICMC
Feb 2016 - Feb 2021 | Brazil

INTERNATIONAL EXCHANGE
Univ. de Bretagne Occidentale
Jan 2020 - Jun 2020 | France

LINKS

Website:// gmcruz.me
Github:// gmelodie
Dev.to:// gmelodie
Twitter:// @gmelodiecruz
Medium:// @gmelodie

LANGUAGES

Portuguese (native)
English (TOEFL iBT 107/120)
French (DELF B2)

SKILLS

PROGRAMMING LANGUAGES
Python • C/C++ • Golang
Shell Scripting • Rust • Elixir

TECHNOLOGIES
Linux/Unix • Git • Vim/Neovim
FVM • IPFS • Filecoin
Flask • FastAPI
GitHub Actions • TravisCI
GCP • Digital Ocean

PROFESSIONAL EXPERIENCE

SOFTWARE ENGINEER - DECENTRALIZED STORAGE | Protocol Labs
Feb 2022 - Feb 2023 | Remote
- Developed and maintained Estuary, a Golang tool to push files into Filecoin
- Authored and reviewed several PRs on over 10 different Web3 Open Source projects along with other 15 developers on the team
- Wrote Smart Contracts for the Filecoin Virtual Machine (FVM)

SOFTWARE ENGINEERING LEAD | Major League Hacking
Oct 2020 - Present | Remote
- Mentored over 50 Open Source fellows on the MLH Fellowship program
- Worked with the maintainers of Amplify, Flask, Beego, HTTPie and others

SOFTWARE ENGINEER | Major League Hacking
Jun 2020 - Oct 2020 | Remote
- Selected among over 20,000 candidates to be a Software Engineer
- Worked on Python and Golang projects using Github Actions and Docker
- Instituted the Fellowship Capture the Flag security competition

PRIVACY COMPLIANCE CONSULTANT | Ganesh Security
Jun 2020 - Oct 2020 | Remote
- Penetration Tester consultant in partnership with a law firm
- Implemented LGPD (similar to GDPR) policies in several different companies
- Conducted security assessments and produced vulnerability reports

CYBERSECURITY RESEARCHER | Univ. de Bretagne Occidentale
Jan 2020 - Jun 2020 | Brest, France
- International exchange cybersecurity research on Social Engineering Attacks
- Developed a fully-fletched framework for social engineering assessments
- Collaborated with over 30 other international students to test project

PROJECTS

SECURITY WORKSHOP LEAD | Slides · Notes
- Gave a course on DoS attacks for more than 50 people at the biggest computer science undergraduate event of Brazil: Semcomp
- Covered amplification techniques, Authentication and Authorization, Peer-to-Peer Networks, TCP and UDP Flooding, etc

IPV6 WORKSHOP MENTOR | Slides, · Notes
- Trained more than 30 students at University of São Paulo on IPv6
- Simulated realistic scenarios and developed practical exercises
- Covered history of the protocol, public and private addresses, as well as unicast and multicast mechanisms