

# GABRIEL CRUZ

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## EDUCATION

### University of São Paulo | ICMC

BS Computer Science

Brazil

Feb 2016 - Feb 2021

### Université de Bretagne Occidentale

International Exchange Student

France

Jan 2020 - Jun 2020

## EXPERIENCE

### Protocol Labs

Software Engineer

Remote

Feb 2022 - Feb 2023

- Developed and maintained Estuary, a Golang tool to push files into the Filecoin network
- Authored and reviewed several PRs on over 10 different Open Source projects along with other 15 developers on the team
- Wrote API and functionality integrations between the Filecoin Indexer and Estuary

### Major League Hacking

Software Engineering Lead

Remote

Oct 2020 - Feb 2022

- Mentored over 50 Open Source fellows on the MLH fellowship program
- Worked with the maintainers of Amplify, Flask, Beego, HTTPie and others

### Major League Hacking

Software Engineer

Remote

Jun 2020 - Oct 2020

- Selected among over 20,000 candidates to be a Software Engineer at the Open Source MLH Fellowship program
- Worked on Python and Golang projects using Github Actions and Docker
- Instituted the Fellowship Capture the Flag security competition

### Ganesh Security

Privacy Compliance Consultant

Remote

Jun 2020 - Oct 2020

- Penetration Tester consultant in partnership with a law firm to implement and secure data privacy policies
- Implemented LGPD (similar to GDPR) policies in several different companies
- Conducted security assessments and produced vulnerability reports

### Université de Bretagne Occidentale

Phishing Cybersecurity Researcher

Brest, France

Jan 2020 - Jun 2020

- International exchange cybersecurity research on Social Engineering Attacks
- Developed a fully-fledged framework for social engineering assessments
- Collaborated with over 30 other international students to test the project

## PROJECTS

### Security Workshop Lead

[gmelodie.com/docs/dos-slides.pdf](https://gmelodie.com/docs/dos-slides.pdf)

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 Instructor

[gmelodie.com/docs/ipv6-slides.pdf](https://gmelodie.com/docs/ipv6-slides.pdf)

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.

## SKILLS

Programming Languages: Python, C/C++, Golang, Rust, Shell scripting, Elixir

Technologies:

Linux/Unix, Git, Vim/Neovim, IPFS, Filecoin, Flask, FastAPI, Docker, Github Actions, Digi

Natural Languages:

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