

# 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

Hackthebox:// gmelodie  
Dev.to:// gmelodie  
Twitter:// @gmelodiecruz  
Medium:// @gmelodie

## LANGUAGES

Portuguese (native)  
English (TOEFL iBT 107/120)  
French (DELFB2)

## SKILLS

### PROGRAMMING LANGUAGES

Python • C • Shell Scripting  
Go • Elixir • C++ • Assembly

### TECHNOLOGIES

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

## PROFESSIONAL EXPERIENCE

### 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-fledged framework for social engineering assessments
- Collaborated with over 30 other international students to test project

### NETWORK SECURITY GROUP LEAD | GANESH SECURITY

Jan 2019 - Jun 2020 | São Carlos, Brazil

- First member to become a group lead in 3 months
- Authored more than 30 talks on security topics to 50 veteran members
- Orchestrated more than 15 Capture The Flag challenges on computer networking security (protocols, WiFi, handshakes, etc.) for 150 new members

## 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

## AWARDS & DISTINCTIONS

2021	1 <sup>st</sup> /27	MandaByte national CTF
2020	1 <sup>st</sup> /30	MLH Halfway Hackathon: Best Portfolio Project
2019	2 <sup>nd</sup> /1000	Fireshell international CTF
2019	3 <sup>rd</sup> /30	Interhacks national hackathon