

# Gabriel Cruz

[gabrieldemolocruz@gmail.com](mailto:gabrieldemolocruz@gmail.com) • [/in/gabriel-de-melo-cruz](https://in.gabriel-de-melo-cruz)  
[github.com/gmelodie](https://github.com/gmelodie) • [gmacruz.me](https://gmacruz.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  
GitHub Pages • Heroku  
GraphQL • Flask • FastAPI  
GitHub Actions • TravisCI  
GCP • Digital Ocean

## PROFESSIONAL EXPERIENCE

### PENTESTING WITH KALI (OSCP) | [OFFENSIVE SECURITY](#)

Jun 2021 - Present | Remote

- Currently pursuing the OSCP certification
- Learned about Active Directory exploitation, Buffer Overflow development, enumeration and lateral movement techniques

### TECH LEAD | [MAJOR LEAGUE HACKING](#)

Sep 2020 - Present | Remote

- Mentored over 50 fellows since the second batch of the MLH Fellowship
- Taught about Git, GitHub, CI/CD and much more
- Motivated fellows, provided feedback and helped on challenging issues

### OPEN SOURCE DEVELOPER | [MAJOR LEAGUE HACKING](#)

Jun 2020 - Aug 2020 | Remote

- Selected over 20,000 other candidates to be sponsored by GitHub Education
- Worked with the maintainers of Flask, Golang, Wekzeug, Beego and HTTPie
- Instituted the [Fellowship Capture the Flag](#) security competition for fellows

### SECURITY 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 - June 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

### FELLOWSHIP WRAPPED | [GITHUB REPO](#)

- Automatic GitHub portfolio generator for the MLH Fellowship
- Designed and implemented the back-end interface using Golang
- Implemented user data fetching through GitHub's GraphQL API
- Configured CI/CD using GitHub Actions

## AWARDS & DISTINCTIONS

2021	1 <sup>st</sup> /27 nation-wide	MandaByte CTF
2020	1 <sup>st</sup> /30	<a href="#">MLH Halfway Hackathon</a> : Best Portfolio Project
2019	2 <sup>nd</sup> /1000	<a href="#">Fireshell CTF</a>
2019	3 <sup>rd</sup> /30	<a href="#">Interhacks</a>