

# GABRIEL CRUZ

gabrielmelocruz@gmail.com · gmelodie.com · github.com/gmelodie · /in/gabriel-de-melo-cruz

## EDUCATION

---

<b>University of São Paulo   ICMC</b> BS Computer Science	Brazil Feb 2016 - Feb 2021
<b>Université de Bretagne Occidentale</b> International Exchange Student	France Jan 2020 - Jun 2020
<b>Cisco Certified Network Associate (CCNA)</b> Routing and Switching	Remote Nov 2023

## EXPERIENCE

---

<b>Protocol Labs</b> <i>Software Engineer</i>	Remote Feb 2022 - Present
--	------------------------------

- Developed and maintained Estuary, a Golang tool to push files into the Filecoin network, owning the integration with Autoretrieve, making Estuary go from hundreds to tens of thousands of data retrieval queries per second
- Built over 5 different tools to ingest data into the Filecoin network, including dozens of PR contributions on over 10 different Open Source projects along with other 15 developers on the team
- Was responsible for writing most of the Golang API functionality integrations, engaging in customer-facing discussions about usability and responsiveness

<b>Major League Hacking</b> <i>Software Engineering Lead</i>	Remote Oct 2020 - Feb 2022
---	-------------------------------

- Mentored over 50 Open Source fellows on the MLH fellowship program about code quality, new software technologies and languages, design and soft skills
- Worked with maintainers from projects like Amplify, Flask, Beego and HTTPie to help review PRs and provide functionality implementations and bug fixes

<b>Major League Hacking</b> <i>Software Engineer</i>	Remote Jun 2020 - Oct 2020
---	-------------------------------

- Selected among 20,000 candidates at the Open Source MLH Fellowship program to work on a remote, asynchronous team with people from over 30 different countries
- Worked on backend web Python and Golang projects, using Github Actions and Docker for testing and deployment of changes

<b>Ganesh Security</b> <i>Privacy Compliance Consultant</i>	Remote Jun 2020 - Oct 2020
--	-------------------------------

- Partnered with a law firm to implement and secure data privacy LGPD policies (a set Brazilian laws similar to GDPR) in several different companies
- Conducted security assessments and produced vulnerability reports to make sure the infrastructure and personnel was also up to good security standards

<b>Université de Bretagne Occidentale</b> <i>Phishing Cybersecurity Researcher</i>	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

---

<b>CruzOS</b> Built my own Operating System from scratch using Rust. Implemented interrupt handlers, memory allocation, and communication with peripherals such as VGA and keyboard.	<a href="https://github.com/gmelodie/cruzos">github.com/gmelodie/cruzos</a>
<b>Nesquic</b> Implemented a Rust version of the popular networking tool Netcat that supports creating QUIC connections instead of TCP and UDP raw sockets.	<a href="https://github.com/gmelodie/nesquic">github.com/gmelodie/nesquic</a>

## SKILLS

---

<b>Programming Languages:</b>	Rust, Python, C/C++, Golang, Shell scripting, Elixir
<b>Technologies:</b>	Linux/Unix, Git, IPFS, Flask, Docker, Tokio-rs, Github Actions
<b>Natural Languages:</b>	Portuguese, English (TOEFL iBT 107/120), French (DELFB2), Spanish