Guilherme Lucas

Curriculum Vitae

Experience

2019 – Present — **Software Engineer**, *Microsoft*, São Paulo, Brasil.
- Contributed to aks-engine, a open source Go project that Azure uses to deploy its managed kubernetes service.
- Created the official mariaDB Terraform module, using the best practices like infrastructure testing with terratest.
- Designed and implemented a notification system in Go for one of the biggest e-commerces in LATAM.
- Implemented the Azure Data Lake provider and monitoring strategies in .NET for a supply chain big data company.
- Mentored five Cloud Solution Architects on infrastructure subjects.
- Created Powershell and Shell scripts to automate securate rules for a covid-19 health bot deployed globally.
- Led the deployment process of a covid-19 Data API for one of the biggest health organizations in the world.

2018 – 2019 — **Software Engineering Intern**, *Microsoft*, São Paulo, Brasil.
- Developed Front and Back-End code with Python, ASP.NET Core, Java Spring and Angular.
- Took care of infrastructure as code with Terraform, Docker and Kubernetes.
- Worked with the team to design and implement Distributed Cloud Applications with Azure.
- Focus on the best engineering practices like CI, CD, testing, DevOps, monitoring, etc.

2017 – 2018 — **Data Science Intern**, *CETAX*, São Paulo, Brasil.
- Development of big data applications, writing API's in Python (Django) to obtain data and creating Machine Learning models, on Spark.
- Helped the implementation of code review culture.

2016 – 2017 — **Undergraduate Research**, *IBM - Unicamp*, Campinas, Brasil.
- Helped to deploy and maintain Minicloud, a free open-source cloud for hundreds of Unicamp students.
- Developed PowerGraph, a Python monitoring software for a cloud server used by hundreds of people.
- Wrote several code to automate GNU/Linux machines deploys, in Ansible and Docker.
- Wrote texts e tutorials, read by people all over the world.
- Interviewed and mentored three new students at the project.

Volunteer

2017 – 2018 — **Member**, *LivreCamp - Unicamp*, Campinas, Brasil.
Worked as assistant and teacher on Shell Script and GNU/Linux courses.

2016 – 2016 — **Teaching Assistant**, *Programa de Auxílio Discente*, Campinas, Brasil.
Applied the pratical tests, corrected exercises and helped 60 students with questions for Digital Circuits Subject.

2015 – 2016 — **Undergraduate Representative**, *Institute of Computing - Unicamp*, Campinas, Brasil.
Dealing with money investiment and infrastructure affairs for the whole Institue of Computing.

2014 – 2015 — **Organizing Committee**, *Computing Week Unicamp (SECOMP)*, Campinas, Brasil.
Increased income by 85% and conference participants by more than 50%, reaching 280 people.

2014 – 2016 — **Vice President**, *CACo - Centro Acadêmico de Computação*, Campinas, Brasil.
Vice President of the students union for both computer science and engineering courses (nearly one thousand studants).

Education

2014 – 2018 — **Computer Engineering**, *University of Campinas (UNICAMP)*, Campinas, Brasil.
- Helped to implement a software that helps students choosing their subjects, with Python and Django.
- Won third place at Microsoft Hack the Campus Hackaton, with a chat bot that analyses university data.

Languages

Native	**Portuguese**
Fluent	**English**
Basic	**Spanish**
Basic	**French**

Technical Skills

Intermediate	C#, Java, LaTeX, HTML, CSS, Docker, Ansible, Angular, Kubernetes, Terraform
Good	Python, C/C++, Go, Shell Script, Git, GNU/Linux Operational Systems, Lisp, Azure