

Lucca Bazzo Bertoncini

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EDUCATION

- **Minerva Schools at KGI** San Francisco, CA
Bachelor of Computer Science; GPA: 3.70 *Aug. 2017 – Jun. 2022*
 - **TAship (CS50/51)**: Assisted 200 students to understand programming concepts including data structures, web dev, etc. (09/17 - 05/18)

EXPERIENCE

- **BTG Pactual** Brazil, São Paulo
Software Engineer *May 2019 - Aug 2020*
 - **Software Development**: Responsible for migrating internal systems, using JavaScript in the frontend (React), and a serverless backend hosted on AWS (API Gateway, Lambda, DynamoDB...) using python.
 - **Cache**: Developed a Cache structure to reduce request time by more than 99% (from 300ms to less than 3 ms). Implemented a CDN layer to make the website much more responsive world-wide.
 - **Tests**: Implemented an automated testing pipeline that covered 90% of the software, using Jest and Enzyme
 - **CI/CD**: Built a CI/CD pipeline to eliminate the manual steps needed with every change in repository, resulting in an increase in deployment frequency by 3X.
 - **Automation**: Built an IP/URL protection system, blocking them automatically if they are found to be malicious based on databases and API services.
- **BRASA** Remote
Director of Technology *Feb 2019 - Aug 2020*
Software Engineer *Mar 2018 - Feb 2019*
 - **Software Development**: Developed a new website for the company's mentorship programs (around 200 students per year). Full-stack web development (Angular and TypeScript on the Frontend and Flask on the Backend).
 - **Optimizations**: Reduced organization monthly expenses in the technology department on 85% by auto-scaling machines, and increased speed of static content delivery by 80% using CDN (CloudFront).
- **SK Encar** Seoul, South Korea
Software Engineer *Sep 2018 - Dec 2018*
 - **Software Development**: Led a team of 5 interns to build a car recommendation system (Django, NumPy, Pandas).
- **Stone Pagamentos (Pagar.me)** Brazil, São Paulo
Software Engineer *May 2017 - Aug 2017*
 - **Software Development**: Build a RESTful API and dashboard to enable easy database changes and consultation using Django.

ACCOMPLISHMENTS

- **Splunk**: Second place on Splunk "Boss of the SOC" national competition in Brazil. (I was the youngest among the participants).
- **Hackathons**: First Place on FirstNet Hackathon ('First Assist': <https://developer.att.com/blog/firstnet-public-safety-hackathon-2018>). First Place on Oracle Cloud challenge in San Francisco Developer Week 2018.
- **Mentorship**: Mentor to Brazilian students applying to top US universities, Mentees were accepted to top schools such as MIT. (2018)
- **National Olympiad**: Gold Medalist in the Brazilian Olympic Games of Astronomy and Rocket Science. (90,000 participants). Finalist in National competition of Economics (2,000 participants), and in Brazilian Olympiad of Physics. (100,000 participants)

PROGRAMMING SKILLS

- Python, SQL, Ruby on Rails, Django, JS frameworks (React, React Native, Typescript), HTML/CSS, Heroku and Netlify, Docker, AWS (Lambda, API Gateway, EC2...), node