# Gabriel Bastos – Curriculum

## About & Contact

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| Name: | Gabriel Silva Bastos |
| Birthdate: | 5 Jun 1997 |
| Address: | Rua dos Assistentes Sociais, 294 – Alípio de Melo – Belo Horizonte – MG – Brazil. |
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## Work Experience

**Current – Apr. 2019**

MAV Tecnology
Software Engineer

Activities and technologies:
- Maintenance of legacy systems.
- C++, Java and Lua programming.
- Microservices architecture, docker.

**Apr. 2019 – Mar. 2018**

Federal University of Minas Gerais
Undergratuate research – Speed laboratory

Activities:
- IoT malware analysis.
- Scientific paper writing.

Topics:
- Data mining and analysis, linux infrastructure.
- Python and Bash programming.

**Mar. 2018 – Mar. 2017**

Federal University of Minas Gerais
Computer Programming Prefect

Activities:
- Assistence to the students in practical activities.

Topics:
- Sequential and combinational circuits.
- Scilab programming.

**Sep. 2016 – Nov. 2015**

BRAE Biotecnology
Junior systems analyst

Activities:
- Software development of the desktop application for an electrocardiograph.
- Software development of the desktop application for a multi-parameter monitor.

Technologies:
- C# programming.
- Microsoft Windows Presentation Foundation.

**Jul. 2015 – Fev. 2015**

BRAE Biotecnology
Internship – Electronics technician

Activities:
- Participation in the electronic project development of an electrocardiograph.
- Software development of the firmware for the electrocardiograph.

Technologies:
- Keil $\mu$Vision embbeded development environment.
- C programming.

## Education

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| 2020<br>2016 | Federal University of Minas Gerais<br>Undergraduate in Information Systems |
| 2015<br>2013 | UFMG's Technical High School<br>Electronics technician |

## Skills

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| English | Proficient reading, writing and hearing.<br>Intermediary pronounce. |
| Programming Languages | I'm familiar with the following programming languages:<br>C, C++, C#, Rust, Haskell, F#, Python, Lua. |
| Technologies | I'm familiar with the following technologies:<br>Linux, bash, git, github, docker, .NET framework, emacs,<br>parsec(Haskell). |

## Personal Interests

I love technology, and have been programming since I was 14 years old.
Some of the topics and technologies of my interest:

- Programming languages and compilers.
- Parsers, type systems, programming paradigms.
- Static analysis and optimizations, LLVM, JIT compilers.
- Programming tools and software engineering techniques in general.

**Projects**

All of my projects can be found at my github.

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| FSQL | https://github.com/gahag/fsql<br>FSQL is a tool written in haskell to query the file system with SQL-like syntax. |
| TPC | https://github.com/gahag/tpc<br>TPC is a template based parser combinator for C++. |
| Bgrep | https://github.com/gahag/bgrep<br>Bgrep is a *grep* spin for binary patterns and files. |