Gabriel Simoes

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EDUCATION

University of Notre Dame — Notre Dame, IN   **Aug 2018 — May 2022**
- Bachelor of Science | Major: Computer Science
- GPA: 4.0 | Dean's Honor List

WORK EXPERIENCE

BTG Pactual — São Paulo, Brazil — IT Summer Analyst   **Summer 2019**
- Worked in the development of a large financial valuation application while following agile principles in a team of 10 developers.
- Responsible for developing a series of features visible to users, directly impacting user experience.
- Identified algorithmic and database optimizations, reducing a given calculation's execution time and memory usage in up to 50% and making other slow operations instantaneous to the user.
- Refactored a large grid system in C#/WinForms critical to the application's maintenance, while preserving full backward compatibility (reduced a 15000-line codebase in 56%).

Academic Computing Operations — Notre Dame, IN — Student Assistant   **Spring 2019 — Present**
- Responsible for operating and maintaining university academic computing infrastructure, such as computer labs, clusters and printing system.
- Produced and refactored programs in Python and Perl used in daily operations and monitoring.

Freelancing — Web Development   **Spring 2018**
- Worked mainly in the development of web solutions for small clients, implementing both front end and back end in PHP or Node.js, using SQL databases to store application data.
- Acquired experience in costumer relations, project management and dealing with requirements and deadlines.

HONORS & AWARDS

AT&T Irish Hacks Hackathon — University of Notre Dame   **2018**
Pariveda Solutions Prize - Best Underclassmen-led Project

30th International Olympiad in Informatics (IOI) — Japan   **2018**
- Performance: Silver Medalist
- Most prestigious international Computer Science competition for High School students.

29th International Olympiad in Informatics (IOI) — Iran   **2017**
Performance: 197th out of 300 competitors

Ibero-American Olympiad in Informatics (CIIC) 2017 and 2018   **2017 — 2018**
Performance: Twice Gold Medalist

TECHNICAL SKILLS

- C/C++
- C#/.NET Framework
- Go
- Clojure
- Javascript
- Bash
- Python
- SQL
- HTML/CSS
- Linux
- Advanced Git
- Knowledge in Agile methods (XP)
- Microsoft Office
- Microsoft Visual Studio

LANGUAGES

- English (Fluent)
- Portuguese (Native)