

Roberto Gomes Rosmaninho Neto

Belo Horizonte - MG - Brazil

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EDUCATION AND PROFESSIONAL DEVELOPMENT

Bachelor of Science, Major in Computer Science

Jan 2018 - Dec 2022

Universidade Federal de Minas Gerais

Belo Horizonte, MG - Brazil

Associate's Degree in Computer Technology, Focus in Web Development

Jan 2017 - Jul 2018

Fundação de Educação para o Trabalho de Minas Gerais

Belo Horizonte, MG - Brazil

Associate's Degree in Electronic Engineering Technology

Jan 2016 - Jul 2016 (interrupted)

Centro Federal de Educação Tecnológica de Minas Gerais

Belo Horizonte, MG - Brazil

EXPERIENCE

Universidade Federal de Minas Gerais

Aug 2018 - Present

Belo Horizonte, MG

Undergraduate Researcher

Working as an undergraduate researcher under prof. Fernando Magno Quintão Pereira.

- Prototyping, developing, testing and maintaining novel compiler analyses and optimizations. Platforms: clang/llvm.
- In-depth study of the underlying theory in the design of compiler analyses and optimizations for static branch prediction
- Developing and testing the implementation of a dialect on Multi-Level Intermediate Representation to support the D programming language.
- Implementing Multi-Level Intermediate Representation support for LDC - The LLVM-based D Compiler

LANGUAGES

- Portuguese: native
- English: Upper B2

SKILLS

Programming mostly in:

- C - (4 years)
- C++ - (2 years)
- Python - (1 year)
- Bash - (1 year)
- D - (6 months)
- Git - (3 years)

TECHNICAL KNOWLEDGE

Web Tools:

- HTML, CSS
- MySQL

EXTRACURRICULAR COURSES

- Data Science with R and Python. (School hours: 26 hours) - UDEMY
- Complete Web Development Course. (School hours: 34,5) - UDEMY

Honors & Awards

- Best Project at Symmetry Autumn of Code 2019 - SAoC, a program to develop a new feature for the D Programming Language.