Bruno Rafael dos Santos

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About me:

I'm a computer science graduate fascinated by mathematics (especially Graph Theory, Number Theory, Discrete Math, Logics, proof assistants, etc), low level programming, operational systems, computer graphics and coding stuff from scratch. My final paper at college has the title "Formalizing *Legendre Symbol* in *Coq*" and it is about Number Theory and the proof assistant *Coq*.

Birthday
06.30.2002

City
Joinville, Santa Catarina, Brazil.

Formation

Fundação Universidade do Estado de Santa Catarina — Joinville, SC
Bachelor's Degree in Computer Science — *completed in December, 2024*

Senac — Joinville, SC
Technical course in hardware maintenance and support (duration of 2 years) — *completed in December, 2019*

Britsh and American — Joinville, SC
English curse — *completed in December, 2016*

Experience

Fundação Universidade do Estado de Santa Catarina — Joinville, SC
Teaching assistant — *completed in December, 2024*

- Discrete Maths teaching assistant (from 2021/1 to 2024/2)

Projects

"Formalizing *Legendre Symbol* in *Coq*": availiable in repositorio.udesc.br/handle/UDESC/11452 (this is my college final paper).

College Code Projects: each one available in repositories with name like "SOP0003", which stands for the abbreviation of the repective subject name (Operational Systems in this case), all in my GitHub profile: github.com/bruniculos08.

Code Resulted from my Final Paper: available in github.com/bruniculos08/mathcomp-tcc.

Code Done as Hobby or to Study Specific Subjects: available in github.com/bruniculos08/for-fun, but some of my projects are alone in their own repositories in my GitHub profile: github.com/bruniculos08.

Skills

Programming Languages: C/C++, Python, Java, Haskell, Idris, Coq, MIPS assembly, Shell, PHP, JavaScript.

Working Tools: VScode, Vim, IntelliJ, GitHub, LaTeX, Markdown, HTML, CSS, SQL, Cassandra, Makefile, SMT, Excel, JUnit.

Languages: Portuguese (native) and English (C1 level).

Favorite Subjects: Calculus I and II, Analytic Geometry, Linear Algebra, Operational Systems, Theory of Computation, Discrete Math, Digital Systems, Computer Architecture and Organization, Geometric Modeling, Probability and Statistics, Formal Methods.