Augusto F. Ildefonso

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EDUCATION

Universidade de São Paulo   **São Carlos, São Paulo**
B.S in Computer Science   *Expected Graduation, Dec 2028*
  - o **Related Coursework:** Data Structures & Algorithms, Digital Systems, Calculus, Electronics, Analytic Geometry, Digital Logic, Programming

EXPERIENCE

CRdS Desenvolvimento e Tecnologia LTDA   **São Paulo, São Paulo**
Electronics Intern   *Feb 2022 – Mar 2022*
- Assembled pool cleaning device's PCB, using electronic components such as resistors, transistors, diodes and capacitors
- Striped and cleaned wires for a variety of devices
- Printed 3D cases for the electronic circuits, using a 3D printer

PROJECTS

Lisp Language   **São Paulo, São Paulo**
Personal Project   *Jul 2024 – Currently*
- Developed a Lisp language, using C, that posses the basic functionality of a programming language, for example arithmetic operations, input and output functions, variables, conditionals and strings
- Created an interactive prompt which makes writing and running the code more efficient
- This project allowed me to properly understand how a programming language works, from the grammar to the compilation process

RFID Gate   **São Carlos, São Paulo**
Team Member   *Jun 2024 – Jun 2024*
- Designed an electronic circuit that interacts with a RFID card and if the card is granted access, enable passing through the gate. This project uses an Arduino Uno and a RFID reader, in addition to basic electronic components
- Developed a C++ code to read the card, grant it access and then verify the card's permissions
- From this project, I got to evolve my teamwork skills and to test my Git and Github knowledge

Variable Voltage Source   **São Carlos, São Paulo**
Team member   *Jun 2024 – Jun 2024*
- Developed an electronic circuit for a voltage source that varies from 3 to 12 Volts, using components such as diodes, zener diode, transistor, diode bridge, capacitors and resistors
- This project enabled me to exercise electronic circuit's design

ACTIVITIES AND LEADERSHIP

Universidade de São Paulo - Ganesh   **São Carlos, São Paulo**
Member of Information Security Extracurricular Group   *Aug 2024 – Currently*

Universidade de São Paulo - PET Computação   **São Carlos, São Paulo**
Volunteer of Codifikids Program   *Apr 2024 – Jun 2024*

SKILLS

Programming: C, Python, HTML/CSS
Tools: VS Code, PyCharm, Git, Github, Linux
Languages: Portuguese (Native), English (Advanced)