GUILHERME CARVALHO PEREIRA

INFORMATION

Brazilian, 25-year-old, single.

Address: Rus Cosigua , 128 – Ouro Branco, MG, Brazil.
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ACADEMIC EXPERIENCE

- **ILLINOIS INSTITUTE OF TECHNOLOGY (IIT), CHICAGO, IL**
  Period: Jun 2015 - Jul 2015

  Description: Research aimed at understanding the behavior of NiCoAl alloys in search of applications in the most diverse industrial areas.

  Published article:

  Zhou, Yang; Nash, Philip; Bessa, Samuel M; Ferrigatto, Guilherme T; Madureira, Bruna S V P; Magalhães, Aparecida S; Oliveira, Aline; Pereira, Guilherme C; Ribeiro, Lorena G; Dos Santos, Lucas P; Da Silva, André A; Silva, Jessica D; Silva, Andre G; De Souza, Jean M; Torres, Yuri S; Da Silva, Raul L; De Cunha, Barbara Fernanda R F. "PHASE EQUILIBRIA IN THE AL-CO-NI ALLOY SYSTEM." Journal of Phase Equilibria and Diffusion, ed. 38, p. 630-645, ago/set. 2017

- **ROBOCAP ROBOTIC TEAM, OURO BRANCO, BRASIL,**
  Period: Dez 2012 - Jun 2014

  Jobs positions:

  o **Capitan, Ago 2013 – Jun 2014**
    Description: Manage all categories of the team, accompanying the development of new projects and seek funds to finance such projects

  o **Programmer Director, May 2013 – Ago 2013**
    Description: Manage the team programming department, researching and developing strategies for implementation in the 2D simulation team.

  o **Programmer: Dez 2012 – May 2013**
    Description: Implement the strategies developed for the 2D simulation team.

  Published article:

  Pereira, Guilherme C; Machado, Itallo G; Toeldo, Lara T; Avelar, Marcelo Henrique F. " DESCRIÇÃO DO TIME DA CATEGORIA SIMULAÇÃO 2D DA EQUIPE ROBOCAP." Competição Brasileira de Robótica XI.

EDUCATION

- **Bachelor in Mechatronics Engineering**
  Conclusion: Dez 2019

  Universidade Federal de São João Del Rei – Campus Alto Paraopeba
  Ouro Branco, MG, Brazil.

- **Bachelor in Mechatronics Engineering**
  Period: Ago 2014 - May 2015

  California State University
  Chico, California, GPA 3.33.

- **Industrial Electrician Technician**
  Completed: Ago 2010

  Centro de Formação Profissional Aloysio Ribeiro de Almeida
  Varginha, MG, Brazil.

SKILLS

- Program languages: C/C++, Java, PHP, MySQL, JavaScript, Android, Assembly, PLC's languages and Python.

- Microcontrollers: Arduino, PIC, Raspberry PI, platforms based on ARM and PLC.

- Laboratory electronic instrumentation.

LANGUAGES

- English: Fluent

- Portuguese: Native

- Spanish: Basic

- German: Basic

PROGRAMS AND OPERATIONAL SYSTEMS

- Linux
- Microsoft Office
- MATLAB
- LABVIEW
- MULTSIM
- SCADA
- PSPICE
- PSIM
- AUTOCAD
- SOLIDWORKS
- ANSYS