

Gustavo Estrela de Matos

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EDUCATION

Institute of Mathematics and Statistics (University of Sao Paulo)

BACHELOR OF SCIENCE IN COMPUTER SCIENCE

Expected graduation: 2017

GPA: 8.9/10

Sao Paulo, Brazil

February 2013 - Present

Texas A&M University

BACHELOR OF SCIENCE IN COMPUTER SCIENCE

Non-degree seeking exchange student participant of a Government of Brazil program Science Without Borders.

GPA: 3.77/4

College Station, Texas

September 2015 - May 2016

EXPERIENCES

Butantan Institute with Sao Paulo Research Foundation Grant

UNDERGRADUATE RESEARCHER

Studies and implementation of forest based algorithms to solve the U-Curve problem. In this research we intend to tackle bigger problems, with real data, with use of parallelization and solution approximation.

São Paulo, Brazil

May 2017 - Present

Institute of Mathematics and Statistics (University of Sao Paulo)

TEACHING ASSISTANT

Assisted professor on creating and grading assignments and answering students questions.

Sao Paulo, Brazil

August 2016 - December 2016

Texas A&M University

UNDERGRADUATE RESEARCHER

During this research I studied stochastic optimization algorithms and applied these different approaches on chains of the U-Curve Problem.

College Station, Texas

June 2016 - July 2016

Butantan Institute with Sao Paulo Research Foundation Grant

UNDERGRADUATE RESEARCHER

In this opportunity I developed alternative algorithms to solve the U-Curve problem, an optimization problem defined over a boolean lattice in which the objective function describes u-shaped curves for every chain of the lattice.

São Paulo, Brazil

January 2015 - July 2015

Institute of Mathematics and Statistics (University of Sao Paulo)

TEACHING ASSISTANT

Professor assistant of Introduction to Computer Science class. I graded student homework, answered student questions and replaced the professor in the first two lectures of the course.

Sao Paulo, Brazil

August 2014 - December 2014

PUBLICATIONS

featsel: A framework for benchmarking of feature selection algorithms and cost functions.

REIS, MARCELO S. ; ESTRELA, GUSTAVO ; FERREIRA, CARLOS EDUARDO ; BARRERA, JUNIOR .

SoftwareX, v. 6, p. 193-197, 2017.

SKILLS

Programming Languages C/C++, JAVA, Python, Perl, Octave (Matlab), LaTeX, MySQL, Linux, Arduino, Shell, Git, Vim, Android.
English, Portuguese

EXTRA-CURRICULAR ACTIVITIES

Texas A&M Table Tennis Club

MEMBER

College Station, Texas

January 2016 - May 2016

University of São Paulo Open Source Hardware Student Group

CO-FOUNDER

São Paulo, Brazil

November 2013 - August 2015

The group was founded by computer science students in an attempt to foment the studies of open source hardware such as Arduino between students and local community.

Computer Science Class' Representative

MEMBER

São Paulo, Brazil

February 2013 - August 2015

Institute of Mathematics and Statistics Baseball and Softball Club

MEMBER

São Paulo, Brazil

February 2013 - Present