

# Tiago TROCOLI

## PERSONAL DATA

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ADDRESS: Campinas, Brazil  
PHONE: +55 16996011303  
EMAIL: [tiago1trocoli@gmail.com](mailto:tiago1trocoli@gmail.com)  
GITHUB: [github.com/Cuparra](https://github.com/Cuparra)  
HACKERRANK: [hackerrank.com/tiago1trocoli](https://hackerrank.com/tiago1trocoli)

## EDUCATION

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ONGOING Master of Science in Computational Mathematics.  
**State University of Campinas**, Campinas, Brazil  
DEC 2016 Bachelor of Science in Computer Information System  
**University of São Paulo**, São Carlos, Brazil

## WORK EXPERIENCE

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*Jun 2018* | Junior Software Developer, Campinas, Brazil  
*AGO 2018* | *Kryptus EED SA*  
Activities involve software development, third party acceptance testing and project documentation.

## RESEARCH PROJECTS

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*Aug 2015* | Undergraduate Research Project, São Carlos, Brazil  
*Jan 2016* | *University of São Paulo*  
Modeling artificial intelligence algorithm to automatically construct combinational digital circuits and programming it in C/C++.  
Supervisor: Alexandre C. B. Delbem  
<https://github.com/Cuparra/Undergraduate-Research-Project>

*Feb 2016* | Final Undergraduate Project I, São Carlos, Brazil  
*Jun 2016* | *University of São Paulo*  
Modeling a new swarm intelligence algorithm to tackle multi-objective mathematical optimization problems. Prototyping them using python, and programming definitive version in C/C++.  
Supervisor: Alexandre C. B. Delbem  
<https://github.com/Cuparra/Undergraduate-Project-I>

*Jun 2016* | Final Undergraduate Project II, São Paulo, Brazil  
*DEC 2016* | *University of São Paulo*  
Developing bio-inspired algorithms to solve an NP-Hard problem. Exact methods may take hours to solve instances with few inputs, mine solves in under 3 seconds with solutions up to 4% worse than that methods.  
Supervisor: Marina Andretta  
<https://github.com/Cuparra/Undergraduate-Project-II>

## TECHNICAL SKILLS

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Advanced: C/C++, Python (Numpy,Scipy).  
Intermediate: Database (SQL), Java.  
Basic : Ubuntu, Latex.

## LANGUAGES

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PORTUGUESE:   Mothertongue  
ENGLISH:       Lower Advanced

## VOLUNTEER EXPERIENCE

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<i>Mar 2016</i>	Teaching Volunteer, São Carlos, Brazil
<i>Nov 2016</i>	<i>Semente USP</i>
	- Activities involved teaching technologies to public primary school children.
<i>Mar 2017</i>	Tutor Volunteer, São Paulo, Brazil
<i>Nov 2017</i>	<i>Cursinho da FEA</i>
	Volunteering in a non-profit college preparatory course in order to help mathematics to the students.