

# Isaías FARIA SILVA

ADDRESS: B27 Résidence de Bagneux, 2 rue Abraham Lincoln - 92220, Bagneux - France  
PHONE: +33 07 71 82 15 51  
EMAIL: isaias@isaiasfaria.com.br WEBSITE: <http://homepages.dcc.ufmg.br/~isaiasfaria>

## PERSONAL STATEMENT

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I am looking for an internship where I can use my theoretical and practical experience in technology and communication to contribute to the growth of the company and customer satisfaction. In short, I am trustworthy, hard-working, eager to learn and I have a genuine interest in Computer Science, Operations Research and Optimization.

## EDUCATION

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2016 – PRESENT	COMPUTER ENGINEERING (SPECIALIZATION IN SCIENTIFIC COMPUTING AND MODELING)* - MASTER OF SCIENCE, <b>University of Clermont-Auvergne, Computer Science Institute</b> , France. Academic exchange between the Federal University of Minas Gerais and the ISIMA(Institut Supérieur d'Informatique de Modélisation et de leurs Applications). Engineering Department in Computer Science, Modelling and Applications leading to a Master's Degree in Engineering.
2014 – PRESENT	COMPUTER SCIENCE*, <b>Federal University of Minas Gerais</b> , Brazil. Federal University of Minas Gerais leading to a Bachelor's Degree in Computer Science.
JUN. 2017	GOOGLE DIGITAL ACTIVE CERTIFICATION, <b>Clermont-Ferrand</b> , France.
AUG. 2013	Technician in NETWORK ADMINISTRATION, <b>Federal University of Viçosa</b> , Brazil. Process conducted by the Brazilian program PRONATEC (National Program of Access to Technical and Labor Education).
2010 – 2012	Technician in COMPUTER SCIENCE, <b>Federal University of Viçosa</b> , Brazil. Concomitant course with high school.

\*The courses listed above are part of a program between Brazil and France CAPES - BRAFITEC (Brésil France Ingénieur Technology) that I applied for and was chosen.

## PROFESSIONAL EXPERIENCE

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APR. 2018	Trainee at ORANGE S.A., Paris - France.
– PRESENT	<i>Researcher</i> Orange S.A. is a French multinational telecommunications corporation and I'm going to work at the Orange Labs research center. I'll be responsible to solve problems in the field of Operations Research and Combinatorial Optimization. Website: <a href="https://laborange.fr/">https://laborange.fr/</a>
JAN. 2016	Trainee at CTNANOTUBOS, Belo Horizonte - Brazil.
– MAY. 2016	<i>Web Developer</i> CTNanotubos is a technology center (TC) specialized in carbon nanomaterials, in the form of nanotubes (CNT) and graphene. I was responsible to develop internal software and to develop the visual identity of the company online. Website: <a href="http://ctnanotubos.com">http://ctnanotubos.com</a>
DEC. 2014	Founder of YES MÉDICOS, Belo Horizonte - Brazil.
– PRESENT	<i>Web Developer, Manager and Marketing</i> I am the founder of YES Médicos, a brazilian start-up that develops software for clinics and doctors. I was responsible for developing software and for the management of the company. Website: <a href="https://yesmedicos.com.br">https://yesmedicos.com.br</a>

2013 Teacher at SERVIÇO SOCIAL DA INDÚSTRIA, Pará de Minas- Brazil  
*Computer and basic Linux teacher*

I was responsible for organizing and teaching the course in basic computing and basic Linux for children and adolescents from low-income communities.

## RESEARCH AND ACADEMIC PUBLICATIONS

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- SEP. 2016 | *USING THE VOLUME ALGORITHM TO SOLVE THE STEINER TREE PROBLEM* at  
– MAR. 2018 | ISIMA, France.  
Advisor: PhD. Hervé KERIVIN.
- JAN. 2015 | *A SYNTHESIS AND SIMULATION TOOL FOR NML CIRCUITS* at Federal University  
– DEC. 2015 | of Minas Gerais, Brazil.  
Advisor: PhD. Omar Paranaíba Vilela Neto.  
*Publications:*
- *NML Designer: A tool for project and simulate nanomagnetism circuits.* Thiago R. B. S. Soares, Isaias F. Silva, Omar P. Vilela Neto. NanoComputing Workshop - NaCoWo2015 -02/2016, pp 1-4
  - *A New Methodology for Design and Simulation of NML Circuits..* Thiago R. B. S. Soares, Isaias F. Silva, Luiz G. C. Melo , Omar P. Vilela Neto. LASCAS 2016, pp. 259-262.
- AUG. 2014 | *DEVELOPMENT OF A FREE SOFTWARE FOR THE SYSTEMATIZATION OF NURSING*  
– DEC. 2014 | *ASSISTANCE TO HOSPITALIZED CHILDREN, ADOLESCENTS AND PREGNANT WOMEN* at Federal University of Minas Gerais, Brazil.  
Advisor: PhD. Paula Gonçalves Bicalho.
- AUG. 2013 | *SYSTEMATIZATION OF NURSING ASSISTANCE TO INJURED CHILDREN AT THE*  
– JUL. 2014 | *JOÃO PAULO II CHILDREN'S HOSPITAL* at Federal University of Viçosa, Brazil.  
Advisor: PhD. José Augusto Miranda Nacif.

## LANGUAGES

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PORTUGUESE: Native Speaker; ENGLISH: Upper intermediate; FRENCH: Upper intermediate

## KEY SKILLS

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C/C++, JavaScript, PHP, Java, Delphi, Python, Matlab, COIN-OR, CPLEX, MySQL, advanced Linux, Operations Research, parallel programming (Server SLURM, OpenMPI, MPI), web servers and Amazon AWS, basic of business management.

## INTERESTS AND HOBBIES

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Interests: Open-Source, Web Programming, LINUX, Operational Research (Optimization), Programming Marathon.  
Hobbies: Mountain Bike, Soccer and Travelling.  
Achievements: Winner of Programming Marathon of the UFV Computer Week 2014; Second place in the Hackathon IN-Auvergne 2017 (business and programming marathon)

## REFERENCES

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PhD. Hervé KERIVIN

Email: kerivin@isima.fr

PhD. Philippe MAHEY

Email: philippe.mahey@isima.fr

PhD. Omar Paranaíba Vilela Neto

Email: omar@dcc.ufmg.br