Yuri Matheus Dias Pereira

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São José dos Campos, State of São Paulo, Brazil | 07/08/1995

EDUCATION

NATIONAL INSTITUTE FOR SPACE RESEARCH (INPE)
MSc in Engineering and Management of Space Systems
Mar 2018 - Ongoing |
São José dos Campos, BR

FEDERAL UNIVERSITY OF GOIÁS (UFG)
BSc in Software Engineering
Dec 2017 | Goiânia, BR

LINKS

 GitHub: *Yuri-M-Dias*
 StackOverflow
 LinkedIn

SKILLS

SOFTWARE
Professional experience:
Java • Groovy • JavaScript + NodeJS •
Grails • Bash • Ruby on Rails • Meteor •
Angular 1.x • Maven • Docker • Git • R
Projects built:
C • C++ • CSS • Android • Arduino
Python • Unity • LaTeX • Tomcat
ReactJS • AdonisJS
Familiar/Hobby:
Rust • VimL • FishShell

SPACE SYSTEMS
Coursework:
Introduction to Satellite Communications
Concepts and Systems for Spacecraft
Operations
Space Data Systems
Data Science Algorithms

LANGUAGES
English: Fluent, TOEFL IBT 107 @ 2017
French: Intermediate
Japanese: JLPT N5 @ 2019
Portuguese: Native

PROFESSIONAL EXPERIENCE

MEDIALAB/UFG | Software Engineer
Jul 2017 - Jan 2018 | Goiânia, BR
- Researched an Augmented Reality experience for the Cora Coralina Museum.
- Continued development of a Meteor application to train UFG HR department on campus' laws using gamification.

FITSMIND | Software Engineering Intern
Apr 2017 – Jun 2017 | Remote, based in Norway
- Lead an effort to add TDD practices and a testing structure for the main application.
- Part of the full-stack development team on Ruby on Rails and Angular.

ZG SOLUÇÕES | Software Engineering Intern
Sep 2016 – Fev 2017 | Goiânia, BR
- Part of the development team for one section of the main application, working with Grails and doing full stack work.
- Led an effort to update testing for the main application using Cucumber and Selenium, focused on business rules.

I9 TECNOLOGIA | Software Engineering Intern
Aug 2015 – Aug 2016 | Goiânia, BR
- Worked on updating the accounting application to use newer technologies and abstractions, using Spring and Java 8.
- Modeled the business relationships in an UML system (Astah).

RESEARCH

INPE | Full time Master's Student
Mar 2018 – Ongoing | São José dos Campos, BR
Working on Data Analysis tools and algorithms to support spacecraft operators at the Satellite Control Center (CCS), doing research on Big Data for Satellite Operations. Awarded a CAPES scholarship for full time dedication.

PUBLICATIONS

[1] Guimarães, G. A., Pereira, Y. M. D., Nascimento, H. A. D., and Rocha, C. d. S. C3-Gui. In *Anais do* (Goiânia, Goiás, Brazil, 2016).

[2] Pereira, Y. M. D., Amauri, S. C., Junqueira, B. C., Raimundi, L. R., Guimarães, S. G., and Loureiro, G. Lessons learned on Systems of Systems Engineering: Systems Concurrent Engineering of a Constellation of Cubesat Formations. In *70 Th International Astronautical Congress (IAC)* (Washington DC, 2019).

VOLUNTEER WORK

2020	Organizer at the III CubeDesign competition, responsible for Data Science and software to run the competition
2019 - 2020	Weekly volunteer at the DCTA Astronomical Observatory
2019	Organizer at the II CubeDesign competition, responsible for data management and CanSat payload operations
2019	Organizer at the Workshop of Engineering and Space Technology (WETE)