ANDREAS DE SOUSA

DATA ANALYST

CONTACTS

+62 815 1021 81 58

desousa.andreas@gmail.com

Jakarta, Indonesia

Birth: 11 - 06 - 1988

EDUCATION

SUPSI – DTI, Switzerland

Master of Science: (GPA: 3.61)

RF, Microwave Sensors and Communication Systems

2020

SUPSI – DTI, Switzerland

Bachelor of Science: (GPA: 3.1)

Electrical and Electronics Engineering

2018

SKILLS

- Python ●●●●○○
- SQL ●●●●○○
- Excel / Google s. ●●●●●○
- Tableau ●●●●○○
- Matlab ●●●●●○
- R ●●○○○○

ABOUT ME

I am an experienced professional and entrepreneur with strong communication, leadership and interpersonal skills. I am seeking an opportunity to showcase my abilities in a growing company looking for effectively utilize their data to more adeptly provide statistical information to their clientele. I am focused, adaptable, and dependable while also being a flexible self-starter who works independently and responds quickly to the changing needs of the organization.

WORK EXPERIENCE

Now 2020

DAYNA COOKIES | Jakarta, Indonesia

CEO & CO-FOUNDER

- Development of the company's database, system, and environment.
- Short and long-term strategy, setting strategic goals and development of marketing strategies.
- Assessing risks to the company and ensuring they are monitored and minimized.
- Design, Innovate and produce products and packaging based on solid data analysis.

2020 2018

SUPSI - DTI | 6928 Manno, Ticino, Switzerland

RESERCHER ASSISTANT (MASTER)

- Designed high-frequency electronic technologies and systems up to state of art.
- Analyze complex technical problems, design the related solutions.
- Create devices, manage electronic devices and systems in the fields of microelectronics, digital electronics, industrial electronics, and telecommunications.

2014 2008

Luce 2000 SA | 6528 Camorino, Ticino, Switzerland

TEAM-HEAD ELECTRITIAN

- High experience on direct projects and teams on the field.
- Installing safe electrical systems, drawing installation plans and diagrams, drawing up surveys and direction reports.
- Join construction site meetings, coordinate tasks and, propose economic and innovative solutions.

2008 2007

Ziwalig AG | 8630 Rüti, Zürich, Switzerland

ELECTRICIAN TECHNICIAN

- Installing, maintaining, and testing electrical systems and equipment including, wires, genertors and, electrical gadgets.
- Isolate and repair electrical malfunctions in system wiring sub-assemblies and components using technical plans, manuals, schematics, and drawings.
- Extensive experience as electrical plans as apartments, homes and, tower blocks.

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DATA ANALYST

SOCIAL

www.linkedin.com/in/andreas-de-sousa

https://github.com/AndreasDeSousa

https://andreasdesousa.github.io/

SOFT SKILLS

- Growth mindset
- Creativomplex problem solving
- Time management
- Communication skills
- Leadership / Team management
- Adaptability
- Critical thinking

AWARDS

IEEE Publication:

Resolution Enhancement with UWB Antennas for Microwave Imaging with RAR Algorithm

2019

LANGUAGES

- English (Spoken: C1, Writing: C1)
- Italian (Mother language)
- German (Spoken: B2, Writing: B2)
- Portuguese (Mother language)
- French (Spoken: A2, Writing: A2)
- Spanish (Spoken: A1, Writing: A1)

THESIS AND PUBBLICATION

2020

SUPSI - DTI | 6928 Manno, Ticino, Switzerland

ANALYSIS AND DEVELOPMENT OF A 3D IMAGING MICROWAVE SYSTEM

Abstract | The purpose of this Thesis project consists of the study, simulation and, realization of different typologies of 3D Imaging systems to optimize and upgrade an existing tomograph developed on TTHF SUPSI laboratory. The development of these algorithms is motivated by the fact that the system is limited to 2D rebuilding, and there is no artifact removal algorithm. Once completed, the system will be able to rebuild a 3D Imaging and remove all kinds of artefacts due to reflection and the skin.
(GPA: 4)

2019

SUPSI - DTI | 6928 Manno, Ticino, Switzerland

RESOLUTION ENHANCEMENT WITH UWB ANTENNAS FOR MICROWAVE IMAGING WITH RAR ALGORITHM

Abstract | The presented paper provides a study with different antenna types selected with a dominant parameter oriented to determine which parameter increases the resolution for microwave imaging algorithms. The used algorithm in this study is a Robust and Artefact Resistance (RAR) based, developed in the last years for breast cancer detection. This study shows that with directivity as the dominant parameter the resolution of the image increases.

2018

SUPSI - DTI | 6928 Manno, Ticino, Switzerland

MICROWAVE TOMOGRAPH SYSTEM

Abstract | The purpose of this document is to describe the work carried out in the realization of the diploma project, which consists of the study, simulation, and realization of different antenna types to optimize an existing tomograph developed in TTHF SUPSI laboratory. The development of these antennas is motivated by the fact that the system does not have an excellent resolution and therefore requires more scans to obtain a good result. The present system works at much lower frequencies, from 1GHz to 8GHz, thus allowing to perform many more annual scans per patient and, consequently, to carry out more frequent checks to intervene promptly in case of detection of breast cancer.
(GPA: 4)

PROFESSIONAL CERTIFICATES

- Google - Data Analytics Specialization
- IBM - Data Science Fundamentals with Python and SQL Specialization
- IBM - Data Analysis and Visualization Foundations Specialization
- Data Visualization with Tableau Specialization
- Excel Skills for Business Specialization
- Excel Skills for Data Analytics and Visualization
- Learn SQL Basics for Data Science Specialization

RELEVANT COURSWORK

- Advanced Project Manager
- Applied Statistics and Data Analysis
- Modeling, Simulation and Optimization
- Ordinary Differential Equation
- Innovation and Lean
- Calculus and linear algebra II