RAFAELLA MATOS

PROFESSOR | RESEARCHER | PROJECT MANAGER

PERSONAL PROFILE

I am a professional with a degree in Computer Engineering from the Institute of Higher Studies of the Amazon (IESAM).

I hold a Master's degree in Geodetic Sciences and Geoinformation Technologies from the Federal University of Pernambuco. During this period, I conducted research as an exchange student at the renowned University of New Brunswick in Fredericton, Canada. This experience allowed me to develop skills in Geographical Information Systems and Remote Sensing, which are my primary areas of study.

Subsequently, I sought to apply my expertise in the field of Civil Engineering by completing a Ph.D. with a concentration in Water Resources. My research focused on utilizing remote sensing to analyze evapotranspiration in a water reservoir area. Additionally, I had the opportunity to undertake a Ph.D. Sandwich program at the Technical University of Berlin in Germany, which provided me with a global perspective and a broader approach to my field of study.

My interests encompass various areas, including remote sensing, software engineering, and web systems development using technologies such as HTML, CSS, JavaScript, Bootstrap, and React. Throughout my professional journey, I have gained practical experience in teaching and agile team management, serving as a manager in development projects. This has allowed me to enhance my leadership skills and ensure the delivery of projects with quality and efficiency.

With over 9 years of experience in teaching and research, I am constantly seeking challenges that enable me to apply my multidisciplinary knowledge and technical skills to contribute significantly to innovative solutions. I am passionate about learning and finding creative solutions to complex problems, always staying updated with the latest trends and technological advancements.

AREAS OF EXPERIENCE

- Remote Sensing
- Geographic Information Systems
- Agile project management
- Web Development: HTML, CSS, Javascript, Bootstrap and React

CONTACT

- Phone number: +55 81 9 9594-0422
- rafaella.matos@gmail.com
- www.linkedin.com/in/rafaella-matos
- instagram.com/techparamulheres

PROFESSIONAL EXPERIENCE

PROFESSOR
University Center Tiradentes (UNIT). | 2023 - present

Assistant professor in the computer science department, as professor of software testing and web development..

PROFESSOR
University Center Maurício de Nassau (UNINASSAU). | 2014 - present

I work as a professor in the courses of Computer Science, Information Systems, Computer Engineering and Systems Analysis and Development.

PROFESSOR
University Center AESO Barros Melo (UNIAESO). | 2019 - 2023

Professor of Introduction to Programming (Python), Database Fundamentals, Database Design, Web Software Development and Software Product Development Design

OTHER SKILLS

- Software Engineering
- Agile Management
- Web Development with knowledge of technologies such as HTML, CSS, Bootstrap, Javascript, and React
- Academic Management

PROJECT MANAGER
Assert IFPB | 2022

As a project manager I was responsible for:
- Organizing and facilitating the execution of activities with a focus on agile practices.
- Monitoring, improving, and defining metrics and deadlines for the delivery flow. Guiding the team in problem-solving and addressing impediments that may affect the development cycle.
- Assisting the project coordinator in translating items for the team.
- Supporting and encouraging decision-making by the team, facilitating self-organization.
- Organizing project review and retrospective meetings at the end of each sprint.
- Promoting integration, collaboration, and mutual understanding among team members.

PROFESSOR AND HEAD OF DEPARTMENT
University Center Tiradentes (UNIT). | 2016 - 2019

As the chief of department of the Computer Networks course, I was responsible for managing the program. Activities ranged from planning the annual budget to hiring and dismissing faculty members. Additionally, I actively participated in decision-making processes related to the course, prepared documentation for course accreditation with the Ministry of Education, developed the new curriculum structure, organized meetings of the Course Design Committee and Academic Board, among other responsibilities. I established partnerships with technology groups and also organized events and lectures in the field for students and external members.

VIRTUAL TUTOR (REMOTE TEACHING)
Federal Rural University of Pernambuco (UFRPE). | 2018 - 2019

I served as a virtual tutor for the Algorithms and Data Structures course and Supervised Internship for the distance learning program of the Bachelor's Degree in Information Systems.

VIRTUAL TUTOR (REMOTE TEACHING)
Federal Institute of Education, Science, and Technology of Pernambuco (IFPE). | 2012

I served as a virtual tutor for the distance learning course of Environmental Management Technology in the subjects of Remote Sensing and Geographic Information Systems.

EDUCATION

FEDERAL UNIVERSITY OF PERNAMBUCO (UFPE) | 2009 - 2014
Doctor of Philosophy (PhD) in Civil Engineering with a concentration in Water Resources

Sandwich PhD period at the Technical University of Berlin (2013 - 2014).
Thesis Title: Evapotranspiration using indirect methods and SEBAL in the Lower São Francisco region.

FEDERAL UNIVERSITY OF PERNAMBUCO (UFPE) | 2007 - 2009
Master of Science (MSc) in Geodetic Sciences and Geoinformation Technologies.

Exchange program for 5 months at the Department of Geodesy and Geomatics at the University of New Brunswick (2008).
Dissertation Title: Contribution of MODIS in the environmental monitoring of watersheds.

INSTITUTE OF HIGHER STUDIES OF THE AMAZON (IESAM) | 2003 - 2006
Bachelor of Computer Engineering

Title of the undergraduate thesis: Analysis of deforestation in the municipality of Marabá - PA using remote sensing.