Ruth Anne

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Professional Experience

- **Solutis Tecnologias** — **Salvador, Brazil**
  Junior Software Developer — *Since Aug 2019*

  Responsibilities: Systems' development and maintenance, frontend and backend; Support to the team in solving problems, adding company's knowledge of the processes and systems. Technologies: Salesforce; ReactJS; JavaScript; CSS; HTML5; C; ASP.NET Core; MVC; Oracle Database; GitLab; Sourcetree; Scrum.

- **Prefeitura Municipal de Camaçari (PMC)** — **Camaçari, Brazil**
  I.T. Intern — *Jul 2016 – Jun 2017*

  Responsibilities: Meetings with systems' customers, requirements gathering, data modeling, programming, scripting and maintenance of the systems databases, creation and updating of systems' technical documentation, software tests. Prospecting for new technologies and development tools and open source solutions evaluation. Technologies: PHP, PostgreSQL, MS SQL Server, JavaScript, Material Design Lite (MDL), Bootstrap, pgModeler, pgAdmin, Eclipse, Redmine, Tortoise SVN, Mantis, Testlink.

Academic Background

- **Pontifical Catholic University of Minas Gerais - PUC Minas** — **Belo Horizonte, Brazil**
  Graduate Degree in Data Science and Big Data, — *Since Jul 2021*
- **Catholic University of Salvador - UCSAL** — **Salvador, Brazil**
  B.Sc. in Software Engeneering, — *Jan 2018 – Dec 2020*
- **Catholic University of Salvador - UCSAL** — **Salvador, Brazil**
  B.Tech. in System Analysis and Development, — *Jan 2015 – Dec 2017*

Projects

- **Importance of EDA in Predictive Modeling: PISA test analysis**
  Advisor: Marcelo Índio dos Reis

  This research presents exploratory data analysis (EDA) techniques in order to improve the accuracy of machine learning algorithms. The methodology applied for the development of this research was the CRISP-DM and the 2018 PISA test dataset. The EDA techniques covered include handling missing values, handling outliers and feature selection. The models used for the modeling process were linear regression algorithms and decision trees. The models based on the boosting method showed greater precision using the methodological approach of the research.

- **Computing Students Profile Identification in a Private Higher Education Institution in Salvador-BA City**
  Advisor: Marcelo Índio dos Reis

This article identified students of Information Technology courses from a private institution, following the KDD process (Knowledge Discovery in Databases), using the K-Means algorithm in the data mining step. The result was the clustering of 3 clusters established using Calinski-Harabasz index, which indicate the indentified profiles. This research serves as a collaboration in the higher education area, since it allows the teachers and managers access to the information of the students, with the use of data mining, in order to follow the performance of the students.

- **School Performance Prediction Using GBM and SVM Algorithms**

  Report presented in the discipline Experimental Software Engineering, about the application of the SVM and GBM algorithms in a school database, in order to perform the prediction of Mathematics grades in two schools in Portugal. The concepts of classification and regression were used, executed in the R language.

Skills

- **Languages and frameworks:** Linguagem R; Python; Java; C#; PHP; ReactJS; HTML5; CSS; JavaScript; MVC; ASP.NET Core; Hibernate; JPA; JSP; JSF; EAR; EJB; Maven; Material Design Lite; Bootstrap.
- **Techniques:** Exploratory, predictive and clustering analysis; association rules; data cleaning; feature selection; CRISP-DM; KDD; Business Process Management (BPM); PMBOK.
- **Tools:** RStudio; Git (GitHub e GitLab); Excel; Oracle Database; MySQL; PostgreSQL; MS SQL Server; pgModeler; pgAdmin; Redmine; Tortoise SVN; Android Studio; Lotus Notes; Mantis; Testlink; Sonar; Arduino; Violet UML Editor; Bizagi.

Language

- **Portuguese** **Brazil**
  Native speaker, –
- **English, CCAA – Centro de Cultura Anglo Americano** **Camaçari, Brazil**
  Successfully completed level three of the three-level.
  Oral and Written Communication Course – To The Top (Advanced), *Jul 2008 – Dec 2012*