

Júlio Costa

MASTER'S CANDIDATE IN COMPUTER SCIENCE

Federal University of Campina Grande · Brazil

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Experience

Dell Advanced Intelligent Channels @ Data Mining Laboratory

Campina Grande, Brazil

RESEARCH TEAM LEADER

March/2021 - February/2022

Team leader in R&D project in partnership with Dell EMC. Responsible for planning and executing tasks seeking enhancements to customer service and client support through Natural Language Processing and Machine Learning.

Dell Email Automation @ Data Mining Laboratory

Campina Grande, Brazil

DATA SCIENCE INTERN

October/2019 - September/2020

R&D project in partnership with Dell EMC. Responsible for executing tasks using Natural Language Processing and Machine Learning for Smart Replies and Email Automation.

Computational Perception Laboratory

Campina Grande, Brazil

MOBILE DEVELOPER INTERN

June/2019 - September/2019

R&D project focused on building Web and Mobile platforms in the context of transport and traffic. Responsible for the development of the mobile application prototype using React Native.

ePol @ SPLab

Campina Grande, Brazil

SOFTWARE ENGINEER INTERN

June/2018 - May/2019

RD&I project in cooperation with Brazilian Federal Police, aiming to build a Web System to assist law enforcement activities and research about software architecture, evolution, and distributed development. My main contribution was the addition of static analysis and new testing frameworks, increasing the safety of our code and improving the code review process.

Education

Universidade Federal de Campina Grande

Campina Grande, Brazil

MS. C. IN COMPUTER SCIENCE

March/2021 - December/2022

Researching about Recommender Systems and Natural Language Processing.

Universidade Federal de Campina Grande

Campina Grande, Brazil

B.S. IN COMPUTER SCIENCE

June/2016 - December/2020

- Undergraduate Thesis: Natural Language Processing Techniques for Session-Based Recommendation
- Advisor: Dr. Leandro Balby Marinho

Publications

Similarity-Based Explanations meet Matrix Factorization via Structure-Preserving Embeddings

Helsinki, Finland

MARINHO, L., COSTA, J., PARRA, D., SANTOS, R.

March/2022

27th Annual Conference on Intelligent User Interfaces (IUI 2022)

Awards & Honors

2019 **Honorable Mention**, ACM ICPC Brazil Sub-Regionals

Campina Grande, Brazil

17, 19 **Silver Medal**, 10th and 12th Paraíba's Informatics Olympiads, Undergraduate Senior division

Campina Grande, Brazil

2016 **Silver Medal**, 9th Paraíba's Informatics Olympiads, Undergraduate Junior division

Campina Grande, Brazil

Meetings and Conferences

2021 **15th ACM Recommender Systems Conference**, Association for Computing Machinery

The Netherlands

2020 **14th ACM Recommender Systems Conference**, Association for Computing Machinery

Brazil

16, 18-20 **Brazilian Conference on Intelligent Systems (BRACIS)**, Brazilian Society of Computation (SBC)

Brazil

Skills

- Programming Languages: Python, JavaScript, Java, SQL, HTML, CSS
- Web & Mobile Development: React Native, React.js, Node.js, Angular.js, Wildfly and Spring.
- Data Science: R, Scikit-learn, Tensorflow, Pandas, Numpy.
- Native Portuguese speaker, Proficient in English.

Extracurricular Activity

OpenDevUFCG

CORE MEMBER

October/2018 - Present

- Member of an Open Source organization from students to students at UFCG. The goal of the organization is to unite experience and knowledge, leading new students to start developing and gather experience as an extracurricular activity. Our projects can be found at GitHub.

CareerCon 2019 Kaggle Competition

PARTICIPANT

March 2019 - April 2019

- A classification competition to predict which surface a robot is walking on. Achieved 63.8% of accuracy in the private leaderboard and placed at 106th (Top 8%) at the end of the competition.