

Dimitre Ortt

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EDUCATION

- **Federal University of Mato Grosso do Sul** Mato Grosso do Sul, BR
Bachelor in Computer Science Feb. 2015 – Aug. 2020

WORK EXPERIENCE

- **NONG** Federal District, BR
Junior Fullstack Software Developer Dec. 2020 – Oct. 2021
 - **Drone Report Beta:** Developed a server-less application created to integrate several types of field-blocks info overlapped into a satellite map. Helped land owners and agronomists monitor grain crops of hundreds of acres throughout time.
 - **Formfy:** Created a tool to dynamically manage digital forms easily, integrate them into other platforms, and allowed clients to create different forms with the options to add/remove fields from a form or update its names or types, all on the fly.
 - **Coopasvtech:** Helped the coffee cooperative COOPASV to improve their internal monitoring of the field-blocks of more than 50 growers. Developed an easy to use dashboard containing reports and field info collected during years of production and visits.
 - **Geagrotech:** Developed a dashboard used to keep track of business information of GEAGRO, an agricultural inputs retailer, distributor and agronomy consultant company with hundreds of clients.
- **Young - Aki Credit** Mato Grosso do Sul, BR
Junior Backend Developer Jan. 2020 - May 2020
 - **Backend:** Developed the application with Node.js and Express.js upon GCP Services.
 - **Business Logic:** Implemented logic of finding ideal matches between money lenders and client; Managed connections created inside the platform aimed to start a money lend contract; Generated money lend contracts; Secured all user credentials and data; Integrated with external APIs to validate clients and companies credentials; Stored transactions history generating credibility points for users based on their transaction history.
- **AGETIC - UFMS** Mato Grosso do Sul, BR
Client Support Set. 2019 – Dec. 2019
 - **College Infrastructure:** Strategic alignment and Integration of services offered by AGETIC with UFMS Organizational Units.
- **Federal University of Mato Grosso do Sul - FACOM** Mato Grosso do Sul, BR
Research assistant - Institutional Scientific Initiation Scholarship Program (PIBIC) by CNPq Jan. 2018 – Set. 2019
 - **Genomes Processing:** Studied the detection of conserved structures in comparative genomics analyzing real genome data.
 - **Algorithms:** Implemented famous heuristics *ILCS*, *IILCS*, *HYBk* and formulated a new heuristic algorithm for the problem of *Maximum Common Intervals*, which is extensively used in the study between genomes and their similarities, generating new insights about enzymes and cells operations.

PROJECTS

- **Formfy 2.0:** Created a new open source version of Formfy, a project designed to dynamically create forms. Implemented with React, Typescript and Node following TDD, Clean Code, Clean Architecture and several Design Patterns.
- **Ray Tracer:** Implemented this algorithm broadly used in Computer Graphics in its 2D version. The algorithm simulates a source of light illuminating an environment and the result is a scene rendered in the screen. It uses several geometrical relations. All classes and math calculus are implemented with Typescript.

SKILLS

- **Development Skills:** OOD, TDD, DDD, Clean Code, Clean Architecture, Design Patterns, SOLID, Agile Development, Solutions Architecture, REST, Project Management.
- **Languages:** JavaScript, Typescript, Python, C/C++/, HTML5, CSS3, SQL, NoSQL, XML.
- **Technologies:** React, Node, Express, Bootstrap, Material UI, Redux, Redux Toolkit, Jest, React Testing Library, AWS, GCP, Google Cloud Firebase, Mapbox, GraphQL, MySQL, PostgreSQL