RODRIGO VENA

rodrigo.vena.g@gmail.com | https://github.com/rndae
Orlando, Florida. United States

EDUCATION

M.S., Computer Science,   08/21 – 05/23
University of Central Florida. United States

- Courses: Compiler Construction, Natural Language Processing, Computational Complexity.

B.S., Computer Engineering,   09/15 – 06/19
Universidad Mayor de San Simón. Bolivia

- Courses: Agile Processes, Software Architecture, Software Engineering, Web Programming.

AWARDS

Fulbright Scholarship, U.S. Department of State,   08/21 – Present

- Received full sponsorship for employment and education in the U.S., including tuition, fees, living expenses, and travel costs.

Academic Excellence, Universidad Mayor de San Simón,   06/19

- Awarded to the top 5 students in the Department of Science and Technology.

RESEARCH

Researcher at APPLeSEEdLab, UCF,   04/23 – Present

Project: Corporate Entity Tracking Automation

- Creating and implementing graph algorithms using Python and Neo4j's Cypher to automate the tracking and analysis of corporate entities over time.
- Building a temporal graph calculus that generalizes and simplifies temporal graph management for corporate structures and reduces the complexity of common Cypher queries.

SKILLS

Programming Languages: Python, Java, JavaScript, PHP, C#, C++, SQL, Bash.

Frameworks and Tools: Visual Studio, IntelliJ IDEA, Spring, Laravel, ExpressJS, Angular, Git.

Databases: MongoDB, PostgreSQL, MySQL, Neo4j.

Operative Systems: Windows, Linux.

PROJECTS

- Laboratory Management System & VLE. **Skills**: PHP, Laravel, Apache, SQL, MariaDB, JavaScript, Angular, Git, JQuery, HTML/CSS, Agile. https://gitlab.com/the-code-tellers/AdminLabo
- Blind Dating Web App "Simon Dice". **Skills**: MongoDB, NodeJS, ExpressJS, Git, JavaScript, JQuery, HTML/CSS, Agile. https://github.com/rndae/blinddate-app
- Symbolic Execution of SimpleC Programming Language. **Skills**: Java, ANTLR, Bash, Compiler Construction, Formal Logic, C. https://github.com/rndae/symbolic-execution-clikelang
- Recognition of Brand and Model in Product Titles. **Skills**: Python, RNN, TensorFlow, Flair, spaCy, NER, BI-LSTM-CRF. https://github.com/rndae/NER_product_model_name
- Chatbot, Project Assistant. **Skills**: Python, Google Cloud, Rasa. https://github.com/rndae/asesor-proyecto