

Ricardo J. Cantarero

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<https://odracirjc.github.io/>

Education

Rutgers University

Newark, NJ

BA IN COMPUTER SCIENCE & MATHEMATICS - MINOR: DATA SCIENCE

Sep 2018 – May 2023

GPA: 3.900 - (Approximately within 95th percentile of Graduating Class)

Skills

General:

C++, R, MySQL, Rust, Java, LaTeX, Docker, Version Control (Git), Virtualization Solutions

Linux:

User Management, Process Management, Filesystem Management, Network Diagnostics

Software Development:

Apache Server Development, AWS Server Deployment, C++ STL, Git, Docker Containerization

Data Science:

Statistical Modelling, Data Visualization, Data Wrangling & Preprocessing

RStudio, Spyder, Jupyter, RMarkdown

Mathematics:

Number Theory, Introductory Numerical Analysis, Abstract/Modern Algebra

Discrete Mathematics, Introductory Mathematical Analysis, Ordinary Differential Equations

Experience

Rutgers University Office of Information Technology

Newark, NJ

BACKEND SOFTWARE DEVELOPER

January 2023 – Present

- Launched, tested and containerized Apache Web Server and SQL database using Docker on Linux Server.
- Tasked in creating backend for an Official Rutgers University course scheduling portal.
- Aided in the management of a team of software developers.
- Facilitated the creation of a reliable versioning control system for team.

Rutgers University

Newark, NJ

EOF ACADEMIC SUPPORT TEACHING ASSISTANT & PEER TUTOR

January 2023 – Present

- Tutored students enrolled in the Educational Opportunity Fund
- Assisted University Professor during weekly lecture meetings

Eagle Creek Renewable Energy

Morristown, NJ

FINANCIAL ACCOUNTING INTERN

May 2021 – Sep 2021

- Worked alongside Financial Department in integrating various Financial Accounting Systems into new Enterprise Resource Planning System.
- Performed Financial Validation and Reconciliation at the Company and Subsidiary Level

Programming Projects

rjc-volnoti-config

BASH, Git, Regex, System Process
Parsing, AWK

CREATED PROGRAM ENABLING LINUX USER TO MANUALLY SET AND CONFIGURE THEIR SYSTEM ICONS FOR MANAGING
SYSTEM BRIGHTNESS AND VOLUME.

<https://github.com/OdracirJC/rjc-volnoti-config>

R Data Analysis of Boston Housing Dataset

Rstudio, R, Regression Modelling

CONDUCTED DATA PROCESSING, VALIDATION, STATISTICALLY ANALYSIS, DATA VISUALIZATION, AND CREATED LINEAR
REGRESSION MODELS ON EXTENSIVE DATABASE CONCERNING HOUSING PRICES IN SELECT BOSTON SUBURBS

<https://github.com/OdracirJC/bhda>

JS Bach Sheet Music Web App

AWS EC2 Instance, PHP, MySQL,
Apache Web Server

CREATED PRODUCTION WEB APPLICATION IN PHP USING MYSQL HOSTED ON APACHE WEB SERVER TO ALLOW OVER
50 USERS TO REGISTER, AUTHENTICATE, AND MAKE PURCHASES. DEPLOYED SECURELY THROUGH AWS CLOUD
SERVER.

<http://54.204.55.176/>