

Ricardo J. Cantarero

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Education

Rutgers University

BA IN COMPUTER SCIENCE & MATHEMATICS - MINOR: DATA SCIENCE
GPA: 3.900 - Deans' List Student

Newark, NJ

Sep 2018 – May 2023

Programming Projects

R Source Code Parser

DEVELOPED C++ COMMAND LINE PROGRAM THAT CONVERTS RMARKDOWN CODE INTO R SOURCE CODE UTILIZING REGULAR EXPRESSION TEXT PROCESSING

C++ STL, File I/O Manipulation,
Regular Expression Text Processing

<https://github.com/OdracirJC/rmarkdown-to-r->

R Data Analysis of Boston Housing Dataset

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

Rstudio, R, Regression Modelling

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

JS Bach Sheet Music Web App

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.

AWS, PHP, Linux, Apache Web Server,
MySQL

<http://54.204.55.176/>

Process Scheduling Simulation

UTILIZED C++ TO SIMULATE THE PERFORMANCES OF SEVERAL SELECTED PROCESS SCHEDULING ALGORITHMS

C++, Git, GitHub, Makefile

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

Experience

Rutgers University

EOF ACADEMIC SUPPORT TEACHING ASSISTANT & PEER TUTOR

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

Newark, NJ

January 2023 – Present

Eagle Creek Renewable Energy

FINANCIAL ACCOUNTING INTERN

- 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

Morristown, NJ

May 2021 – Sep 2021

Skills

Programming Languages: C++, R, MySQL, HTML/CSS, Java, LaTeX

Linux: User Managment, Software Installation, Scripting/CLI Programming, Makefile Configuration

Software Development: LAMP Stack Web Development, AWS Server Deployment, C++ STL

Data Science: Statistical Modelling, Data Visualization, Data Wrangling & Preprocessing

RStudio, Spyder, Jupyter, RMarkdown

Mathematics & Statistics: Number Theory, Introductory Numerical Analysis, Abstract/Modern Algebra

Discrete Mathematics, Introductory Mathematical Analysis, Ordinary Differential Equations