

Charley Padron

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EXPERIENCE

Certified | Data Processor | September 2019 - Present

- Utilized C# and SQLite to build data pre-processing software that provided corrections of data and quality control received from clients, sped up pre-processing times by 80% with high level of accuracy
- Developed documentation, test plan and training material on how to use data pre-process program
- Processed client data and provided quality control to ensure accuracy, utilized Excel to process, clean and organize data prior to processing

EDUCATION

Montclair State University | Montclair, NJ | May 2019
Bachelor of Science in Computer Science with a minor in Mathematics

Middlesex County College | Edison, NJ | Aug 2017
Associate of Science in Computer Science

SKILLS

Programming Languages: Java, Python, C/C++, C#, SQL, VBA

Web Development: HTML, CSS, PHP, MySQL, JavaScript

PROJECTS

CharleyPadron.dev

- Building a website that will store personal projects as well as documentation and screenshots about the projects. Built using Python, Flask, HTML and CSS, hosted with Google Cloud App Engine

Automated Trading System and Stock Analyzer

- Building a stock analyzer and automated order execution system for stocks using the E-Trade API and Python
- Reads a CSV file, using Pandas, containing the constituents of the S&P 500 retrieves the date, open, high, low, close prices
- Calculates the Moving Average Convergence and Divergence (MACD) and Relative Strength Index (RSI) of the stocks using historical data
- Evaluates MACD and RSI of stocks and creates and stores fictional orders to track performance of trading using MACD and RSI indicators

Olympic Management System – Android App | Software Engineering 2 | MSU Course Project

- Developed sporting event management system with Java that supports user registration, scheduling of events, ticket purchases and notifications as part of a course project with a team of five developers
- Utilized Firebase for user authentication and support user messaging and notifications using cloud functions in Node.js and used Firestore as the database

Retail Website | Database Systems | MSU Course Project

- Created a motorcycle supply store with over 50 products across multiple categories; products and categories are updated dynamically from the database
- Utilized HTML, CSS, PHP to create customer and administrative views and MySQL to store data; course project hosted on MSU's server