**Arturo White**

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GitHub: <https://github.com/Arturowhite17>

**Undergraduate CS Minor:** Java language (class inheritance, applet development, JDE, & JRE memory management) , C++ language. Bioinformatics programing course work.

**TECHNICAL SKILLS**

**Languages** – HTML, CSS, JavaScript, VBA Scripting, Python, & SQL | **Version control** – Git, GitHub, & GitLab | **Software** – Tableau, Advance Excel (Pivot Tables), Hadoop, Jupyter Lab Notebook, Postgres, Adobe Photoshop, & Adobe Lightroom | **Libraries** – Bootstrap, Pandas, Matplotlib, NumPy, Data Scraping / Mining, Flask, D3.js, Plotly.js, SciKit-learn, Tensorflow | **Techniques** – Dash boarding, Modeling, Forecasting, API calls, ETL (Extract, transform, load), Machine Learning (Neuro networks, Decisions tree, Linear Regression), & OOP (E,I, A, & P)

**PROJECTS**

**Achieving Affordable Housing in Atlanta | 2019**

**Full stack Data Visualization** - **Site:**  [**http://www.aahatl.com**](http://www.aahatl.com/)(ML & Full Stack Web Development Regression Analysis) - [**GitHub**:](https://github.com/anovas2/aaha_web/tree/master/website/templates) [**http://bit.ly/2YWicPa**](http://bit.ly/2YWicPa)

Summary:

* Creation of a machine learning model based on Random Forests which was used to predict within $75 the Fair Market Rent (FMR) for any location in the metro Atlanta area.

**Extraction, Transformation, And Load Technical Report– Nov 2019**

**SQL & ETL Data Science - project**: [**http://bit.ly/2EojSrn**](http://bit.ly/2EojSrn)

Project -<https://github.com/deanthoms/etl_project>

Summary:

* Data analytics proposal and hypothesis developed for exploring Kaggle, opensource health databases and APIs. Data was extracted and cleaned using Excel VBA & Pivot tables, and Jupyter Notebook (with pandas). Numpy and Plotly were used for aggregation and statistical analysis. A word document and powerpoint presentation of finds were submitted and presented to an audience of fell peers and data analyst.

**PROFESSIONAL EXPERIENCE**

**Gerresheimer**, Peachtree City, GA

**Data Analyst**, Jan 2018 - Present

Gerresheimer is a global Medical Device System development company and OEM including primary and secondary packaging supplier for Pharma and Medical device customers. Core competencies based in process automation equipment and injection molding expertise.

* Data Analyst activities supporting business decisions include but not limited to, Use of SQL to segment, transform, and extract Data from SAP ERP for Transformation and loading into monthly status reports and dashboards using Tableau & Excel.
* Cloud computing activities & Data Engineering via AWS S3 for Sales support customer cost data with Extraction, Transformation, Loading (ETL) to gain actionable data insights and reporting of KPIs (ROI, average turnover, customer satisfaction). Data cleaning and combining from multiple sources. SQL/PL-SQL on local Oracle system for dashboarding and visualization
* Global core team management and organization, over multiple time zones (Europe, Asian, and US). Hands on and support with global engineering and software teams for networked based medical device projects via Jira, git, and MS Teams. Wearables and IoT MDS products for inhalation and injectables. SDK mobile application interacting with Backend technology.
* Used product development requirements (PRD/URS) to develop verification testing and validation SDLC, which includes unit testing, version control, use of best practice design patterns, and OOP. Use of Agile and waterfall project management methodologies

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* Data Cleaning using Excel Pivot tables, Excel VBA, Excel Power Pivot, and Python Pandas module with jupyter Notebook/ jupyter lab, so that data is uniform per requirements and criteria scoped.
* Management and customer level KPI presentations using data analysis tools for automated updating and dash-boarding (Web Data Visualizations - JavaScript/Python/Custom & Method Libraries). Software Visualization made using – Tableau, Alteryx, or Excel
* Maintain accurate project information (Meeting Minutes, Open Items tracking), process flow documents (Microsoft Visio), and Microsoft Office Project Plans
* Organizing and collaborating with core-team SMEs & cross functional groups
* Validation and Verification defect tracking and test cases for risk management and continuous improvement

**EXPERIENCE Continued**

**Johnson & Johnson Inc.**, Athens, GA

**Scientist** (Chemical Validation Specialist & Quality Engineer), 10/2014-12/2017

Improvement of Test Method transfers/ creation of Test Method Validations; performance of Instrument Qualifications, Operation Qualifications, Computer System Validation for part 11 compliance, and process qualification that assisted in the development of new medical devices.

* Maintained of Quality Operations/ Systems Regulations and Medical Device GMPs, GLPs, GxPs, for Health Care Compliance for BSI, FDA, and other regulation interest (e.g. CFR 21 part 820/11/etc...).
* Continuous improvement support via 5s and lean manufacturing practices, using statistical process control charting and Advance MS Excel & Minitab for data reporting.
* Technical writing and reporting within change management for maintenance and retention of data to support regulatory compliance efforts of site for all validations designed (DOE, ANOVA, T-Test).
* Computer System Validation (CSV) and part 11 compliance management for FDA/BSI (CFR 820/802/21 etc…) medical device requirements – unit testing to confirm output for software and API scripts for user authentication levels, and audit trail tracking.
* Data Cleaning and Excel

**Lawter Inc**, Baxley, GA

**Quality Control Laboratory Technician**, 10/2013-10/2014

Raw material rosin extraction manufacture facility and refinement for plastics, pants and automotive lubricants use. Maintained ongoing LEAN/5s/Six Sigma methodologies.

* Effectively maintained Quality Management objective within SAP process methods.
* Conducted chemical or physical laboratory tests to assist scientists in making qualitative or quantitative analyses of solids, liquids, or gaseous materials.
* Automation of proprietary LIMS system with API, for development custom scripts and Python library integration, leading to customer dashboards and KPIs for chemical testing and sample tracking

**EDUCATION**

**Georgia Institute of Technology**, Atlanta GA

**Post-Graduate Professional Data Science and Analytics** **Certification | 2019**

**Benedictine University**, Lisle IL

**Master of Business Administration** | **Finance |** 2016

**Fort Valley State University**, Fort Valley GA

**Bachelor of Science Biotechnology |CS Minor**| 2012