**Taher Darolywala**

**281-673-8728 ▪ thdarolywala@uh.edu ▪**

(Willing to Relocate)

|  |  |  |
| --- | --- | --- |
| **Objective:** To obtain a Software Engineering/Data Science Internship/co-op. | | |
| **Education** |  | |
| Bachelor of Science in Computer Engineering. | August 2016 – December 2020 | |
| University of Houston – Houston, Texas.  **Personal Website** - <https://tdaroly.github.io/Website/> | | GPA – 3.97 |

|  |  |
| --- | --- |
| **Work Experience** |  |
| **Data Engineering & Data Science Intern** – Sanchez Oil & Gas- Houston, TX | May 2018 – Jan 2019 |

* Transformed production data, increasing clarity on KPI’s by 30%.

(pandas, numpy, scikit, scipy,SQL).

* Saved $0.5M in licensing fees by creating well-bore visualization framework using open source tools.

(R, HTML, PowerShell).

* Automated data entry and calculation of Fuel/Flare report, reducing time by 50%, error by 90%.

(Python).

* Set up real-time alarming system, real-time KPI calculation, reduced well downtime by 25%.

(Python, InfluxDB, Restful architecture, MongoDB).

* Created custom heatmaps, Gantt chart, donut gauges and other KPI visualizations.

(R, leaflet,javascript, python, HTML, CSS, Spotfire, PowerBI).

|  |  |
| --- | --- |
| **Computer Engineering Intern** – Chirality Research – Houston, TX | Nov 2017 - Present |

* Reduced data query speed by setting up data pipeline in logstash and using elastic search for querying and visualizing using Kibana.
* Developed a tracker app for optimizing driver routes on field, reducing operational expenditure.

(Python, Firebase, Spotfire).

* Cleaned, analyzed and made exponential decline forecasts on production data.

(Python, R).

|  |  |
| --- | --- |
| **Teaching Assistant, Computing for Engineers** – University of Houston – Houston, TX | May 2017 - Present |

* Mentored and taught students core programming & mathematics concepts during office hours. (MATLAB).
* Led team of 15-20 students, guided towards final project submission.
* Co-Presented first lecture, collaborated with professor to create upper level assignments and HW’s.

|  |  |
| --- | --- |
| **Desk Attendant** – Recreation Center – Houston, TX | May 2017 – Oct 2017 |

* Managed special events with more than 500 patrons.
* Greeted patrons, led tours of the facility, checked out equipment on patrons need.
* Provided first aid, CPR & AED procedures in environments of intense stress.

|  |  |
| --- | --- |
| **Technical Skills** |  |

**Languages**: Python, R, HTML, JS, C, C#, C++, MATLAB, Iron Python,

**Databases**: Mongo, Influx, SQL, MYSQL, Canary (historian).

**Software**: Grafana, Spotfire, PowerBI, Cygnet, SCADA.

**Speaking Languages**: English, Hindi, Urdu, Arabic.

|  |  |  |
| --- | --- | --- |
| **Technical Coursework** | |  |
| Courses: Data Structures, Signals & Systems, Circuits, Digital Logic Design, Electronics.  **Projects:**   * (C Programming) Built a C tool to convert any decimal, floating number to binary. * (C Programming) Built a C tool to solve differential & polynomial equations. (Linked Lists). * (Java) Created and Deployed Sudoku board game. |  |

|  |  |
| --- | --- |
| **Activities** |  |

**UH Makerspace –** Working with seniors on Automated Drone Movement Project. Aug 2018 - Present