**Taher Darolywala**

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(Willing to Relocate)

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

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| **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%.
* Saved $0.5M in licensing fees by creating well-bore visualization framework using open source tools.
* Automated data entry and calculation of Fuel/Flare report, reducing time by 50%, error by 90%.
* Set up real-time alarming system, real-time KPI calculation, reduced well downtime by 25%.
* Created custom heatmaps, Gantt chart, donut gauges and other KPI visualizations.

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| **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 opex.
* Created and maintained KPI dashboards, leveraging OOP’s concepts.
* Cleaned, analyzed and made exponential decline forecasts on production data.
* Using kmeans, convex hull, haversine and open street maps api, optimized truck deliveries of oil on oil fields.

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| **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.

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| **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.

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| **Technical Skills** |  |

**Languages**: Python, R, HTML, C, C++, Java,MATLAB.

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

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

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

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| **Technical Coursework** | |  |
| Courses: Data Structures, Digital Logic Design, Circuits, C Programming for Engineers.  **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. * (Breadboard) Designed and built a traffic system using D, J-K flip flops, and Logic Gates (AND, OR, NOT, NAND). |  |

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| **Activities** |  |

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