Taher Darolywala

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(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.   GPA – 3.97
Personal Website - https://tdaroly.github.io/Website/

Work Experience

Data Engineering & Data Science Intern – Sanchez Oil & Gas- Houston, TX   May 2018 - Present
- 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