Seyed Aran Arab

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**Objective**: To begin an internship or Co-op that challenges me and broadens my knowledge of Industrial and Systems Engineering.

**Education**

Bachelor of Sciences in Industrial Engineering at The University of Tennessee Knoxville

Minors: Reliability & Maintainability, Data Management

GPA: 3.21/4.0

Graduating in 2020

**Experience**

*Student Assistant (August 2016 – Present)*

University of Tennessee Office of Information and Technology

* Greet Hodges Library Patrons and provide IT services for students
* Maintain over 100 desktop computers and printers in a lab setting

*Research Assistant (August 2017 – Present)*

University of Tennessee, Worked with Professor Thura Mack

* Research trends in feedback from STEM seminars using paper surveys, Excel, Word, In Vivo Coding, Qualitative Coding, and group discussion of the data
* Apply these analytics to improve future STEM seminars by suggesting changes in the process and resource management

**Academic Projects**

*University of Tennessee Fall Family Festival*

* Establish and follow a project charter and Gant Chart to add efficiency to project and analyze the tasks at hand
* Create a simulation model in order to forecast attendance and reduce wait time for UTK Alumni by approximately 60%

*Experimental Data Analysis*

* Run a Time Study Experiment while recording the results for each trial
* Analyze the data using an ANOVA table, R-Script, and graphic residual data to determine if the experiment showed any patterns or had any high impact variables according to the P-values

*Virtual Enterprise*

* Create and manage financial statements and biweekly payroll for the virtual company, Elysium
* Write an 18 page business plan to present in New York against other companies nationally earning 6th place

**Strengths/Technical Skills**

**Data Analysis**: R, Excel, Python, C++, MATLAB, Gurobi, Anylogic, Microsoft OS, Microsoft Teams, HTML, SQL

**Design**: AutoCAD, Solid Works, Autodesk Fusion 360

**References**

**Marie Knaff** – Contact: ([mknaff@utk.edu](mailto:mknaff@utk.edu)) Manager of the University of Tennessee Office of Information and Technology

**Thura Mack** – Contact: ([tmack@utk.edu](mailto:tmack@utk.edu)) coordinator of community learning services and professor at the University of Tennessee Knoxville