

Yasser Kassif

APPLIED MATHEMATICS AND DATA SCIENCE STUDENT

Austin, Texas

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Objective

Seeking a computer science internship position at a research focused organization that will utilize my strong programming and analytical skills.

Education

University of Texas at Austin

B.S. IN APPLIED MATHEMATICS

+ Certificate in Data Science and Elements of Computing

Austin, TX

2016 - 2020

Skills

- Languages** Python(+ numpy, pandas, scipy), R, SQL(PostgreSQL & msSQL), Javascript
- Frameworks** Git, Scikit-learn, Jupyter, Docker, Flask, Shiny
- Coursework** Software Engineering, Data Mining, Applied Statistics, Statistical Learning, and Numerical Analysis

Work Experience

Cryogenics Lab

DATA ANALYTICS INTERN

- Conducted computational analysis with a variety of statistical algorithms to aid in physics cryogenics cooling research.
- Built relational database for laboratory cryogenic material asset tracking system for internal locating and sales.

Austin, TX

May 2018 - Sep. 2018

Fast Lab

RESEARCH ASSISTANT

- Created protien 3d printing cura and chimera templates utilized to streamline future 3d printing processes.
- Built internal laboratory chemical relational database for the tracking of material usage in medicinal research.
- Created and edited animations of chemical protein simulations in 3d space to be utilized in education.

Austin, TX

Sep. 2017 - May. 2018

VDMIS Inc.

SOFTWARE ENGINEERING INTERN

- Built Android to CMM Machine remote bluetooth app allowing for better control of the metrology machine wirelessly using Java .
- Assembled and configured metrology machine computers that connected to the Renishaw sensors for pre-programming.

Houston, TX

May. 2017 - Aug. 2017

Projects & Organizations

Google Summer of Code

JUPYTER/IPYTHON DEVELOPER

- Developed example worked projects that demonstrate the use of machine learning algorithms for the 'Artificial Intelligence: A Modern Approach' textbook that solve game playing and data science problems

AIMA Code

Summer 18'

ALGOrig

PYTHON, CUDA, JAVASCRIPT

- Built Bitcoin/Ether Mining Rig with Custom Linux Distro that coordinated mining time with electricity cost schedule to maximize profit.

github.com/ykassif/ALGOrig

Summer 17'

Machine Learning and Data Science Club

ORG

- Active member of club that strives to encourage students to pursue and share their interests in the field of data science and machine learning.

mldsut.com

Competitions

- Feb 2018 **Correlation One Datathon**, Utilized Qgis to visually map transportation data along with machine learning techniques to accurately predict explanatory variables

Hackathon