

# YASSER KASSIF

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## EDUCATION

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**University of Texas at Austin**  
BSA Mathematics

Austin, TX  
Aug 2016 - Jun 2020

Certificate Elements of Computing & Computational Science and Engineering

## EXPERIENCE

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**Innovative Metrology Solutions**  
*Software Engineer / IT Intern*

Houston TX  
May 2016 | Aug 2017

- Built Android to Machine Remote IR App allowing for easy control of the Metrology Machine wirelessly
- Created Corporate Website and optimized SEO for maximum market exposure
- Assembled and Maintained Metrology Machine Computers which were connected to the Renishaw sensors
- Built Internal Company SQL Database for tracking hardware components and software licenses

**UT Austin Pharmacology**  
*Research Assistant*

Austin, TX  
Sep 2017 | May 2018

- Built internal Laboratory Chemical Database for the tracking of substance usage in medicinal research
- Created Protein 3D Printing Cura and Chimera templates utilized to streamline future printing processes
- Produced and Edited Visualizations of Chemical Protein Simulations in 3D space to be utilized in education

**UT Austin Cryogenics**  
*Data Intern*

Austin, TX  
June 2018 | August 2018

- Conducted Computational Analysis with a variety of variables for Physics Cryogenic cooling research
- Built internal laboratory cryogen material asset tracking system for department wide research activities
- General laboratory computer hardware and software troubleshooting and maintenance

## SKILLS

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Tools: Python, Golang, SQL, HTML, CSS, Javascript, Git, Bash  
Design: Chimera, AutoCad, Adobe Premier/After Effects, Latex  
Coursework: CS313e, CS329e(git), M340L, SDS328, M348(Computational Analysis), M362K

## PROJECTS & ORGANIZATIONS

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**ALGOrig** *Python, CUDA*

[github.com/ykassif/ALGOrig](https://github.com/ykassif/ALGOrig)

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

**Texas Cryptocurrency Investment Group**

<https://tcig.club/>

Founding member of the first university cryptocurrency investment group for all UT students.

**Machine Learning and Data Science Club**

<https://mlsut.wordpress.com/>

Club that strives to encourage students to pursue and also share their interests in the field of data science and machine learning.

## COMPETITIONS

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**Correlation One Datathon**

Hackathon

Utilized Python and Qgis to visually map transportation data for analysis

February 2018