(971) 207 - 6212
mzuri.handlin@gmail.com

MZURI HANDLIN

PROJECTS

YOUTUBE VISUALIZER: handlin.github.io/youtube-visualizer

Uses the YouTube API to grab data from a video's comments section, then creates a visualization from it. CSS Grid for layout, vis.js and custom JavaScript for plotting

EXPERIENCE

ECHO GLOBAL LOGISTICS | INTEGRATONS ANALYST

July 2018 – September 2018

- Wrote SQL queries to monitor and fix errors in a massive database containing transaction data for over 10,000 shipments each day
- Wrote Python scripts to automate recurring tasks, e.g. searching over 200,000 files for those containing specific strings, turning a 4-hour task into a 4-minute task

ADVANCED RESOURCES | INTEGRATONS SUPPORT @ ECHO GLOBAL LOGISTICS

March 2018 – June 2018

- Agency that initially placed me at Echo Global Logistics (which hired me in July)

S/H BOOKKEEPING AND TAX SERVICE | WEB DEVELOPER

December 2017 - January 2018

- Revamped company website (shbats.com) for the first time since 2007

MIDWEST INTEGRATED CENTER FOR COMPUTATIONAL MATERIALS (MICCOM) | ACTING MANAGING DIRECOTR

June 2017 – October 2017

- Completely rebuilt the MICCoM website (miccom-center.org) with Bootstrap
- Helped organize and run the Summer 2017 MICCoM Computational School

UNIVERSITY OF CHICAGO | RESEARCH ASSISTANT

September 2013 – March 2016

- Implemented, tested, and optimized an algorithm for calculating total energies of molecules and solids. Written primarily in Fortran 90, utilizes MPI for parallelization, and the linear algebra libraries BLAS, LAPACK, and ScaLAPACK
- Wrote a research proposal that was awarded 1,000,000 core hours of computer time by NERSC in 2016

EDUCATION

UNIVERSITY OF CHICAGO, MASTERS IN CHEMISTRY

WHITMAN COLLEGE, BA IN CHEMISTRY AND MATHEMATICS

SKILLS AND ABILITIES

PROGRAMMING LANGUAGES: Python, JavaScript, Fortran 90, BASH, C++

WEB DEVELOPMENT: HTML, CSS, Git, JavaScript, SQL

COMPUTER ALGEBRA SYSTEMS: Mathematica, MATLAB, Maple