

VARSHA TIRUKONDA

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in varsha-tirukonda 🌐 vrtiruko

EDUCATION

University of Michigan

BS Computer Science 2017

3.74 Cumulative GPA

Wichita High School East

2013

International Baccalaureate Diploma Program

3.89 Cumulative GPA, ACT: 35, SAT: 2230

AWARDS

Stamps Leadership Scholar

2015

Dean's Honor List

2015

University Honors

2015

EMPLOYMENT

Strategic Reasoning Group

Research Intern

May 2015 to Aug 2015

Refined scripts designed to simulate algorithmic and high frequency trading strategies in the market

Used empirical game theoretic analysis

Automated analysis of the results

Programming done in Python and Ruby

Web application can be found at <http://egtaonline.eecs.umich.edu/>

Brooks Lab, Dept. of Biophysics

Research Assistant

Sep 2013 to Jan 2015

Designed a software program to predict NMR chemical shifts in DNA

Used machine learning techniques (randomForest library)

Programming done in Python and R

EXPERIENCE

MPowered Entrepreneurship · Startup Career Fair Co-Director

Apr 2015 to Current

Leading a talent team in organizing Startup Career Fair 2016

Recruiting companies and sponsors from around the nation

Creating new social media campaigns

Implementing strategies to increase company and student diversity

Organizing venue and logistics details

Assisted in designing and maintaining website, found at <http://startumup.com>

MHacks · Core and Tech Team

Sep 2014 to Current

Organizing all bus transportation to and from the event and various ceremonies

Coordinated minor safety and risk management plan

Assisted in the creation and distribution of Near Field Communication (NFC) cards for all participants

Assisted in day-of work

FeelGood · Marketing and PR Chair

Jan 2014 to Apr 2015

Implemented new strategies to promote the club in a more eco-friendly, paperless manner

Designed and maintained the club's website

Website can be found at <https://feelgoodumich.wordpress.com/>

COURSEWORK

& SKILLS

EECS 281: DATA STRUCTURES AND ALGORITHMS:

EECS 370: INTRODUCTION TO COMPUTER ORGANIZATION:

EECS 485: WEB DATABASE AND INFORMATION SYSTEMS:

EECS 388: INTRODUCTION TO COMPUTER SECURITY:

ENTR 408: PATENT LAW AND STRATEGY:

PROFICIENT IN: C++, Python, Matlab

FAMILIAR WITH: Ruby, HTML, R, Mathematica, SQL