

## Objective:

To explore big data spaces, research and develop technologies and to derive new insights in these spaces. Real time global scale data processing is becoming prominent today and I would like to be at the forefront of this field.

## Experience:

### RESEARCH ASSISTANT | COAPS | 2015 - PRESENT

- Worked on distributed oceanographic match up service funded by NASA AIST
- Full stack python development including back end data processing, front end web services, benchmarking, scripting, heartbeat monitoring.
- Implemented search platform with Apache Solr to large subsets of oceanographic datasets.
- Developed data models using Neo4j.
- Git for version control and software deployment.
- Database administration and system administration.

### TEACHERS ASSISTANT | FLORIDA STATE UNIVERSITY | 2015 - 2015

- Educated computer science undergraduates on fundamental programming concepts.
- Reviewed, graded and problem solved students coding projects.
- Reinforced my own fundamentals through deeper investigation.

### ACADEMIC TUTOR | SELF-EMPLOYED / VOLUNTEER | 2013 - 2015

- Guided students in various STEM areas such as: Mathematics, Programming, Physics, and Chemistry.
- Promoted student interest in topics by eliciting coordinated study methods.

### COMPUTER STORE ASSOCIATE | FOLLET | 2014 - 2015

- Received apple sales training and regularly promoted new products.
- Guided students to optimal and appropriate technology related purchases.

## Education:

### BACHELORS OF SCIENCE | DEC 2014 | FLORIDA STATE UNIVERSITY

- Pure Mathematics

### MASTERS OF SCIENCE | AUG 2017 | FLORIDA STATE UNIVERSITY

- Computer Science

## Technical Skills:

- **Programing Languages:** Bash, Python 2/3, C, C++, Java, Javascript, Latex
- **Databases:** MySQL, Solr, Neo4j (CYPHER, SPARQL), THREDDs
- **Tools:** OpenCV, Visual Studio, Git, PyCharm, Ipython, Virtual Box, Qemu, Microsoft Office
- **Operating Systems:** Windows, Linux (Ubuntu, CentOS, Kali, Slack, LFS)

## Activities

ACM CLUB | MEMBER | 2015

MATH CLUB | MEMBER | 2013

HOSPICE | VOLUNTEER GUITARIST | 2013