

Anna Yannakopoulos

DATA SCIENTIST · BIOINFORMATICIAN · PHD STUDENT

711 Burcham Dr, Apt 5 · East Lansing, MI 48823

☎ (813) 528-6271 | ✉ anna.yannakopoulos@gmail.com | 🏠 yannakopoulos.github.io | 📷 yannakopoulos | 📺 anna-yannakopoulos | 📧 Anna Yannakopoulos

Education

Michigan State University

PHD, MAJOR IN COMPUTATIONAL MATH, SCIENCE, AND ENGINEERING

- 3.7 GPA

East Lansing, MI

Aug 2017 - present

Florida State University

BS, MAJOR IN PHYSICS AND COMPUTATIONAL SCIENCE, MINOR IN MATHEMATICS

- *Magna cum laude* (3.8 GPA), Phi Beta Kappa, Dean's List 2013 - 2017

Tallahassee, FL

Aug 2013 - May 2017

Skills

Languages Python, R, C/C++, CUDA, MATLAB, SQL, LaTeX

Software Pandas, NumPy, PyTorch, OpenMP, MPI, Elastic Stack

Platforms High-performance computing, Linux, Windows

Experience

Michigan State University

PHD STUDENT

- Designing novel methods of incorporating low-quality and unconventional data into machine learning algorithms to discover the genetic basis of human health
- Developing natural language processing pipelines to extract biological relationships from unstructured text data using word embeddings
- Managing code standards, software, and high-performance computing environments for a diverse interdisciplinary lab

East Lansing, MI

Aug 2017 - present

Institute for Cyber-Enabled Research

ACRES REU STUDENT MENTOR

- Taught weekly interactive seminars on various technical and professional subjects that were given high ratings in clarity and practicality
- Provided resources, advice, and guidance to undergraduate students undergoing their first research experience
- Advocated for students to administrators to improve the REU program

East Lansing, MI

May 2019 - Jul 2019

University of Notre Dame

RESEARCH ASSISTANT

- Designed and integrated an interactive monitoring module into a distributed high-throughput high-energy physics application
- Interfaced multiple disparate programs and diverse data sources to provide a complete view of the application's behavior
- Chosen as the top student out of 20 to present at a national conference on behalf of the DISC REU program

South Bend, IN

May 2016 - Jul 2016

National High Magnetic Field Laboratory

RESEARCH ASSISTANT

- Created applications to collect, transform, and analyze experimental condensed matter physics data
- Built simulations of the electronic structure of solids
- Wrote drivers to control precision laboratory equipment

Tallahassee, FL

Mar 2014 - Mar 2016

Awards

2017 **Engineering Distinguished Fellowship**, Michigan State University

2017 **Anna Runyan Award**, Florida State University

2013 **3rd Place, Moody's Mega Math Challenge**, Society for Industrial and Applied Mathematics

2013 **National Merit Scholar Semifinalist**, National Merit Scholarship Corporation

2013 **Florida Bright Futures Scholarship**, Florida Department of Education

East Lansing, MI

Tallahassee, FL

New York City, NY

Tallahassee, FL

Tampa, FL