

# Riley Annis

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## EDUCATION

### MICHIGAN STATE UNIVERSITY

#### M.S. IN COMPUTER SCIENCE

Expected May 2019 | East Lansing, MI  
Specialization in Theory of Computation

#### B.S. IN MATHEMATICS

Expected Dec 2018 | East Lansing, MI  
Honors College  
Cum. GPA: 3.79 / 4.0

#### B.S. IN COMPUTER SCIENCE

May 2018 | East Lansing, MI  
Honors College  
Graduation with Honor

## LINKS

Github:// [rileyannis](#)

LinkedIn:// [rileyannis](#)

## GRAD COURSEWORK

### In Progress

Design and Theory of Algorithms  
Algorithmic Graph Theory  
Machine Learning  
Data Mining  
Pattern Recognition and Analysis

### Completed

Artificial Intelligence  
Artificial Neural Networks  
Computer and Network Security

## PROGRAMMING SKILLS

### Proficient

Python • C++ • C

### Familiar

C# • Java • JavaScript • Haskell • SQL  
Rust • Scala • Clojure • Bash • Assembly

## AWARDS

Completed the Google foo.bar Challenge  
1st Place, 2017 MSU Google Games  
2nd Place, 2017 Chicago Google Games  
1st Place, 2016 Atomic Games

## SOCIETIES

Tau Beta Pi Engineering Honor Society  
The Honor Society of Phi Kappa Phi

## INDUSTRY EXPERIENCE

### EPIC | SOFTWARE DEVELOPMENT INTERN

May 2018 - Present | Verona, WI

- Working on the Cognitive Computing - Data Science team on a project involving natural language processing and neural networks in Python.
- Constructing models to be trained on medical notes in order to provide discrete information to medical practitioners.

### MICHIGAN STATE UNIVERSITY | CSE 498 CAPSTONE EXPERIENCE

Jan 2018 - May 2018 | East Lansing, MI

- Worked with a team of peers on a semester-long project for an industry client.
- Constructed a web application with C# and React, utilizing a Hyperledger Fabric blockchain for a permanent record of interactions.

### EPIC | SOFTWARE DEVELOPMENT INTERN

May 2017 - Aug 2017 | Verona, WI

- Gained experience in an industry environment working with C# and .NET to develop a web application for the EpicCare-Link team.
- Led the research, design, and implementation of a novel project deployed in a release of Epic software to improve sharing of patient information.

## ACADEMIC EXPERIENCE

### MICHIGAN STATE UNIVERSITY | EAST LANSING, MI

#### GRADUATE ASSISTANT | Aug 2017 - Present

- Previously worked as a teaching assistant for CSE 450, Translation of Programming Languages (Compilers), and for CSE 431, Algorithm Engineering.
- Responsibilities include holding office hours, answering student questions, grading assignments, and providing feedback on course structure.

#### TEACHING ASSISTANT FOR CSE 231 | Aug 2016 - May 2017

- Led lab sessions and helproom hours for Intro to Programming I (Python).
- Wrote two new projects with a focus on classes for future use in the course.

#### TEACHING ASSISTANT FOR MTH 110 | Aug 2015 - May 2016

- Guided recitations for Finite Mathematics and Elements of College Algebra.
- Worked in the Math Learning Center tutoring college algebra through calculus.

#### PROFESSORIAL ASSISTANT | Aug 2014 - May 2016

- Worked in the MSU Digital Evolution Lab (devolab) under Dr. Charles Ofria.
- Led efforts on a research project involving genetic algorithms and evolutionary computation using Python.

## LEADERSHIP

June 2018 - Present	Grad Rep.	MSU CSE Departmental Meetings
Apr 2018 - Present	Organizer	SpartaHack V Executive Board
Aug 2016 - Present	President	MSU Parkour and Freerunning Club
Aug 2017 - May 2018	UG Rep.	MSU CSE Department Advisory Committee
Sept 2017 - Mar 2018	Swag Coord.	SpartaHack IV Executive Board
Jan 2017 - Dec 2017	Treasurer	Association for Computing Machinery at MSU
Aug 2010 - June 2014	Captain	First Robotics Competition Team 3452