

# Colten Cross

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## EDUCATION

### GEORGIA STATE UNIVERSITY

#### BS IN PHYSICS

May 2017 | Atlanta, GA  
Conc. in Computer Science  
Cum Laude  
Cum. GPA: 3.47 / 4.0  
Major GPA: 3.29 / 4.0

### NORTHSIDE HIGH SCHOOL

May 2013 | Columbus, GA

## LINKS

Github:// **ColCross**  
LinkedIn:// **ColtenCross**

## COURSEWORK

### UNDERGRADUATE

Computer Science  
Software Engineering  
Web Development  
Data Structures  
System-Level Programming  
Robotics Engineering 1  
Physics  
Electronics  
Modern Physics  
Statistical and Thermal Physics  
Calculus I, II, III  
Differential Equations

## SKILLS

### PROGRAMMING

Advanced  
Java • Shell • Git  
Knowledgeable  
HTML • CSS • PHP • JS  
SQL • Polymer • C  
Operating Systems  
OSX • Windows • Unix

### SOFTWARE

MS Word, Excel, PowerPoint  
Autodesk Inventor

## EXPERIENCE

### GSU | LEARNING ASSISTANT - PHYS 2212K

Jan 2017 – Present | Atlanta, GA

- Led 3 one-hour tutorial sessions for calc-based Intro Physics students.
- Provided direction and explained key concepts.
- Graded homework and returned in a timely manner.

### GSU | TEACHING ASSISTANT - PHYS 1112K

Sep 2016 – Dec 2016 | Atlanta, GA

- Coordinated with instructor to ensure students were taught material consistently.
- Supervised lab activities to provide guidance and maintain a productive work environment.
- Adapted to individual students' learning styles in order to effectively explain subject material.

### AEROTEK | SIMULATION INTERACTOR

Summer 2015 & Summer 2016 | Fort Benning, GA

- Developed strategies and worked with team to execute simulated missions
- Obtained secret-level security clearance and maintained secret-level information.
- Provided man-machine interface in Army's operation of a future invasion scenario.

## PROJECTS

### MUON TELESCOPE | WWW.MUONTELESCOPE.COM

Jan 2017 – Present | Atlanta, GA

Assisted in designing and implementing a modular website for displaying data from Georgia State University's cosmic ray detector network. Utilized Polymer to implement front-end web design, and MySQL for back-end database querying and management.

### OVERDRIVE | SOFTWARE ENGINEERING FINAL PROJECT

Jan 2017 – April 2017 | Atlanta, GA

Worked as a team through every stage of the software development process including design, documentation, and implementation. Utilized Java and SQLite to implement design requirements.

## CLEARANCES AND CERTIFICATIONS

- Secret-Level Security Clearance
- CompTIA Security+ Certification

## SOCIETIES

2016	Sigma Pi Sigma	Physics Honor Society
2014	National	National Society of Collegiate Scholars
2012	National	National Honor Society