

## Colten Cross

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## EDUCATION

**GEORGIA STATE UNIVERSITY**

May 2017 | Atlanta, GA

**BS IN PHYSICS****COMPUTER SCIENCE CONC.**

Cum. GPA: 3.47 / 4.0

**NORTHSIDE HIGH SCHOOL**

May 2013 | Columbus, GA

Engineering Magnet and AP Classes

Cum. GPA: 3.9

## LINKS

Github:// ColCross

LinkedIn:// ColtenCross

## CERTIFICATIONS

**COMPTIA SECURITY+ CERT.**

## CLEARANCE

**SECRET SECURITY CLEARANCE**

- US Army

## COURSEWORK

Software Engineering

Web Development

Data Structures

System-Level Programming

Mathematical Models of Comp Sci

Linear Algebra

Robotics Engineering 1

Electronics

Modern Physics

Statistical and Thermal Physics

Calculus I, II, III

Differential Equations

Classical Mechanics

## SOCIETIES

2016 - Sigma Pi Sigma (Physics Honor Society)

2014 - National Society of Collegiate Scholars

2012 - National Honor Society

## SKILLS

**PROGRAMMING LANGUAGES / FRAMEWORKS**

Java • HTML/CSS • JS • PHP • SQL • C • Polymer • Bootstrap • jQuery

**OPERATING SYSTEMS**

OSX • Windows

**SOFTWARE**

Word • Excel • PowerPoint • Autodesk Inventor

## WORK EXPERIENCE

**GSU | TEACHING AND LEARNING ASSISTANT**

Sep 2016 – May 2017 | Atlanta, GA

- Led tutorial sessions for calc-based Intro Physics students.
- Supervised lab activities to provide guidance and maintain a productive work environment.
- Responsible for grading and returning assignments.

**AEROTEK | SIMULATION INTERACTOR**

Summer 2015 &amp; 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.

**COLUMBUS STATE UNIVERSITY | PEER INSTRUCTION LEADER**

Jan 2014 – May 2014 | Columbus, GA

- Designed instructional tasks and conducted tutoring sessions three times a week for up to ten students at a time.
- Observed professor-instructed lectures to improve coherence of instructional materials used at tutoring sessions.

**ADDITIONAL WORK EXPERIENCE**

- Coca-Cola Space Science Center – Student Assistant (Summer 2014)
- The Egg and I – Bus Staff (Aug 2013 - Dec 2013)

## 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.