

Colten Cross

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EDUCATION

GEORGIA STATE UNIVERSITY

May 2017 | Atlanta, GA

BS IN PHYSICS**COMP SCI CONCENTRATION**

Cum. GPA: 3.47 / 4.0

NORTHSIDE HIGH SCHOOL

May 2013 | Columbus, GA

Engineering Magnet & AP Classes

Cum. GPA: 3.9

LINKS

Github:// **ColCross**

LinkedIn:// **ColtenCross**

CERTIFICATIONS

COMPTIA SECURITY+

SECURITY CLEARANCE

DoD SECRET

COURSEWORK

Software Engineering

Web Development

Data Structures

System-Level Programming

Math 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

SOFTWARE

Eclipse • IntelliJ • WebStorm • VirtualBox • AutoCAD • MS Office

OPERATING SYSTEMS

OS X • Windows

PROJECTS

MUON TELESCOPE | PHYSICS RESEARCH SENIOR PROJECT

Jan 2017 – April 2017 | 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.

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 & 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)