

Alexander James Roberts

340 County Road 599
Leesburg, AL 35983-4912
(706) 767-2395
aroberts8@stu.jsu.edu

Objective

Inquisitive student who excels at mathematics and problem solving who values the sharing of knowledge and the joy of learning, seeking internship to as an undergraduate of applied mathematics and computer science.

Education

Jacksonville State University - Jacksonville, AL (Expected Graduation: Dec 2020)

Dual Bachelor of Sciences (B.S.) in Applied Mathematics and Computer Science - Cumulative GPA: 3.78/4.0

University of Alabama Early College - Tuscaloosa, AL (Jan 2014 – Dec 2015)

Earned 36 credit hours of undergraduate study – Cumulative GPA: 3.79/4.0

Darlington School - Rome, GA - Graduated with Honors - May 2016

Relevant College Coursework

Management of Information Security and Forensics - Discrete Computational Structures - Spreadsheet Modeling - Technical Writing for Computer Science – Calculus III

Leadership Activities and Interests

Member - Institute of Electrical and Electronics Engineers (IEEE), American Mathematical Society (AMS), Mathematical Association of America (MAA)

Varsity Captain – Darlington School Math Team (2015-2016)

Lead Programmer – Darlington School Robotics Team (2015-2016)

Achievements

Dean's List – Jacksonville State University – Jacksonville, AL (Fall 2016)

Academic Scholarship – Jacksonville State University – Jacksonville, AL (2016)

Dean's List – University of Alabama – Tuscaloosa, AL (Summer 2015-Fall 2015)

National Honor Society – Darlington School – Rome, GA (2016)

AP Scholar with Distinction – Darlington School – Rome, GA (2016)

Class AA Division Champion – Georgia State Mathematics Tournament – Darlington School – Rome, GA (2014-2016)

National Merit Scholarship Program – Letter of Commendation (2015-2016)

Skills

Highly Proficient in Microsoft Office: Word – PowerPoint – Excel – Access

Foreign Languages: Spanish (writing, reading, and speaking), Mandarin (writing pinyin, reading, basic speaking)

Programming Languages: C++, Java

Work Experience

Learning Center Peer Tutor – Darlington School – Rome, GA (2014-2016)

Tutored peer students during school hours on math and science.

Project Experience

Autonomous Control System Design – Darlington School - (2015-2016)

Lead programmer who designed the autonomous control system for Darlington School's FTC competition robot. Java and Android applications were used to control the robot over Wi-Fi and process sensor input to determine its following actions autonomously, as well as process driver input during user control phases.

Spacecraft Mission Design – Duke TIP – Georgia Institute of Technology (2014)

Project data calculations manager who used MS Excel for the creation of a testing system to determine to the optimal flight course for a hypothetical spacecraft mission to deorbit space debris at predetermined orbital parameters.