

Tyler J. Lee

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EDUCATION

GEORGIA INSTITUTE OF TECHNOLOGY, COLLEGE OF ENGINEERING

Atlanta, GA

Bachelor of Science in Computer Engineering

May 2019

GPA 3.58

- Graduated with Highest Honors, Spanish Minor
- Dean's List: 2015 - 2019
- Study Abroad in Ecuador, France, Mexico

EXPERIENCE

HARRIS CORPORATION

Melbourne, FL

Space and Intelligence Systems Software Engineer - Intern

May 2018 - Aug 2018

- Administered Developer Operations pipeline for black box communication chassis project including scratch building a Selenium Web Automation Java Testing Framework
- Spearheaded intercepted Wi-Fi Packet analysis and SharePoint development projects for the Proprietary Systems Division

NASA JOHNSON SPACE CENTER

Houston, TX

ORION MPCV Flight Software Testing - Intern

Jan 2018 - May 2018

- Integrated proprietary NASA, Lockheed Martin, and Honeywell software components to automate Orion Flight Software script coverage reports on the latest flight software
- Generated portable and databased version of code coverage reports for instantaneous use by Orion flight software developers by running simulated processing environment

GEORGIA TECH RECONAISSANCE OF SPACE OBJECTS

Atlanta, GA

Cube Satellite Avionics

May 2017 - Jan 2018

- Programed and documented payload, communications, altitude determination, thermal control applications implemented in NASA Core Flight Executive for the Air Force
- Connected and tested various analog and serial components including GPS, packet transmission antennae, power system, payload camera, and magnetometers

GEORGIA TECH LORRAINE ROBOTICS LAB

Lorraine, France

Undergraduate Robotics Research

Jan 2017 - May 2017

- Collaborated with programming team to develop an interactive robotics experience
- Utilized Stanford Robot Operating System and Carnegie Melon Sphinx Speech Analyzer for multilingual voice recognition and vocal responses

LEADERSHIP

IEEE GEORGIA TECH STUDENT CHAPTER

Atlanta, GA

Executive Board Member

Aug 2015 - May 2019

- Progressed to serve as Hardware Team President responsible for organizing collaboration between engineering disciplines to compete in annual Southeastern robotics competition

SKILLS AND INTERESTS

Certifications:	Export Control Training (ITAR), Scuba Certification (NAUI)
Affiliations:	Yellow Jacket Flying Club, Institute of Electrical and Electronics Engineers, Circle K
Programming:	Java, Python, C++, C, Bash (Linux), MATLAB, MIPS Assembly, SQL, Web Development, D3.js
Software:	AutoCAD, IntelliJ IDE, VMWare Fusion, Intel Quartus, Visual Studio, Xcode, Unity, Docker
Equipment:	FPGA, 3D Printer, CNC Mill, PLC, Oscilloscope, Logic Analyzer, Laser Engraver, Protolaser
Awards:	Eagle Scout, Eta Kappa Nu Honor Society, Zell Miller Scholarship, National AP Scholar
Volunteer:	NASA Outreach, MOVE Service, UNICEF Congressional Action Team, Boys and Girls Club Mentor
Languages:	Native English, Spanish Full Professional Proficiency, Beginner Italian
Interests:	Space Exploration, Aviation, World Traveling, Personal Finance, Sports, TED Talks, Chess