

Tyler J. Lee

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EDUCATION

GEORGIA INSTITUTE OF TECHNOLOGY, COLLEGE OF ENGINEERING

Bachelor of Science in Computer Engineering - International Plan

Atlanta, GA

May 2019

GPA 3.60

- Minors in Computer Science, Spanish
- Study Abroad - Ecuador, France, Mexico
- Dean's List 2015 - 2017

EXPERIENCE

HARRIS CORPORATION

Melbourne, FL

Space and Intelligence Systems Software Engineer

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 Proprietary Systems Division

NASA JOHNSON SPACE CENTER

Houston, TX

ORION MPCV Flight Software Testing

Jan 2018 - May 2018

- Integrated proprietary Lockheed Martin, Honeywell, and NASA 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

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 INVOLVEMENT

IEEE Georgia Tech Student Chapter - Executive Board Member

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

MOVE Service Organization - Director of Communications

- Managed the communications stream and outreach distributed to over a thousand team members

SKILLS AND INTERESTS

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