Tyler Steven Ensey
516 Hidden Hollow Dr.
Merritt Island, FL 32952 US
Mobile: 321-848-8398 - Ext:
Email: tylerensey@yahoo.com

Availability:	**Job Type:** Permanent, Temporary, Term, Detail, Recent Graduates, Internships, Telework **Work Schedule:** Full-Time, Part-Time, Shift Work, Intermittent, Job Sharing

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Desired locations:	United States - FL - Kennedy Space Center United States - FL - Titusville United States - VA - Hampton United States - FL

Work Experience:	**NASA** **Pay Plan:** GS **Grade:** 6 Kennedy Space Center Kennedy Space Center, FL 32899 United States

02/2015 - 08/2015
Salary: 35,609.00 USD Per Year
Hours per week: 35
Pathways Intern (This is a federal job)
Duties, Accomplishments and Related Skills:
During my time as a Pathways Intern I gained valuable skills in areas that I had no previous knowledge, while also keeping up with the team that I had done work with during previous internships. One of my main tasks was working with the Virtual Engineering Dashboard team, which is a kick-start campaign for virtual reality at Kennedy Space Center (KSC). I was tasked with exploring the functionality of the Unreal Engine. I created tours of the Vehicle Assembly Building (VAB) and of various labs around KSC. These tours could then be uploaded to the Oculus Rift and toured in a virtual reality environment. My other tasks included various system testing for the Modeling and Simulation group (NE-EM), which is the branch that I was assigned to. I tested multiple components, that had been previously developed by the modeling team, so that these components functioned properly within the software before implementation within the hardware. Another minor task I was given was work with the Advance Ground System Maintenance (AGSM) team. They test various flight test fault scenarios, so that they can locate problems within the flight systems before a major malfunction occurs. I was tasked with finding various fault cases that they can test so that they can get a representation of what would occur during these fault scenarios. Overall, it was a great experience. I got real world experience that can only be achieved by working with NASA.
Supervisor: Gena Henderson (3218674261)
Okay to contact this Supervisor: Yes

NASA

Kennedy Space Center
Kennedy Space Center, FL   32899 United States

06/2014 - 08/2014
Salary: 6,000.00 USD Student Stipend Paid
Hours per week: 40
Intern
Duties, Accomplishments and Related Skills:
As a GSE Math Modeler, I am investigating the ability to use MATLAB's Simscape. This is in the Application & Simulation Software Engineering Branch (NE-C1) in the NASA Engineering and Technology Directorate at Kennedy Space Center. This semester my primary duty has been to investigate the ability to interface Simscape with MATLAB's Simulink. The use of Simscape would drastically increase the efficiency of the simulation team, as Simscape has primitive blocks that have already been tested and are functional. Whereas with using just Simulink these blocks would need to be developed. My job was to see if these Simscape models could interface with Simulink models. For example, previously made electrical Simulink models would normally interface with the mechanical and hydraulic Simulink models. Researching if it is possible to interface the two software allows for electrical Simulink models that have already been made to not need to be redeveloped to work with a mechanical or hydraulic Simscape model.
Supervisor: Cheryle Mako (321-867-4633)
Okay to contact this Supervisor: Yes

NASA
Kennedy Space Center
Titusville, FL   32899 United States

01/2014 - 05/2014
Salary: 9,600.00 USD Student Stipend Paid
Hours per week: 40
Intern
Duties, Accomplishments and Related Skills:
As a GSE Math Modeler, I developed simulation software for the Spaceport Command and Control System. This is in the Application & Simulation Software Engineering Branch (NE-C1) in the NASA Engineering and Technology Directorate at Kennedy Space Center. My primary duty was to design and test electrical and fluid component models for the Ground Cooling System, Universal Cooling Transportation System and the Ground Special Power System. MATLAB's Simulink tool was used to complete these tasks. I supported the subsystem meetings and built components for each of the systems. I also used the configuration management tool AccuRev.
Supervisor: Cheryle Mako (321-867-4633)
Okay to contact this Supervisor: Yes

NASA
Kennedy Space Center
Titusville, FL   32899 United States

06/2013 - 08/2013

Salary: 6,000.00 USD Student Stipend Paid
Hours per week: 40
Intern
Duties, Accomplishments and Related Skills:
As a GSE Math Modeler, I developed simulation software for the Spaceport Command and Control System during this summer internship. This was in the Application & Simulation Software Engineering Branch (NE-C1) in the NASA Engineering and Technology Directorate at Kennedy Space Center. This group provides state of the art real-time integrated simulations to support the Ground Support Equipment (GSE) subsystems in the Spaceport Command and Control System. I designed fluid component models and created system tests for fluid components in support of the Ground Cooling Subsystem which provides ground cooling to the Orion module during powered operations. I also tested fluid component models. I primarily used MATLAB's Simulink to complete these tasks, thus making me proficient in using the MATLAB and Simulink environments. I got accustomed to the Linux operating system, which was used on account of its advanced performance and security. As a result of the internship, I now have all the attributes necessary for the utilization of Linux. I supported subsystem meetings and built components for the Ground Cooling System and Universal Cooling Transportation System and enjoyed working with the diverse group of Engineers. I completed my tasks ahead of schedule and took on additional work. I learned about the development lifecycle of models. For configuration management of my model components, I used the AccuRev tool. I completed assigned duties, tasks, readings and developmental activities to become proficient in this math model simulation position.
Supervisor: Cheryle Mako (321-867-4633)
Okay to contact this Supervisor: Yes

Towne Park
Orlando, FL   United States

08/2012 - 07/2013
Hours per week: 20
Guest Service Associate
Duties, Accomplishments and Related Skills:
Guest Service Associate with Towne Park, employed at Doubletree by Hilton at Sea World. I worked valet and bell services for the hotel. I came in contact with hundreds of people every day, serving their needs. My skills with serving a variety of people are superb. In November 2012, I was unknowingly rated by a shopper from the company and I received a score of 100%. I was constantly working to improve and be the best possible employee. My patience and people skills enabled me to excel in this job.
Supervisor: Yovan Villalta (813-546-4886)
Okay to contact this Supervisor: Yes

Education: **University of Central Florida** Orlando, FL United States
Some College Coursework Completed 05/2016
GPA: 3.235 of a maximum 4.0
Credits Earned: 132 Semester hours

Major: Electrical Engineering
Relevant Coursework, Licenses and Certifications:
Received the top Pegasus scholarship, the Pegasus Gold Scholarship, upon entrance to the University of Central Florida and continue to receive this scholarship. Member of the Honors program at UCF, the Burnett Honors College. The basis of the acceptance into the program was the 4.4 GPA I received from Edgewood Junior Senior High school in Merritt Island. I am currently pursuing a Bachelors Degree in Electrical Engineering at UCF.

References:	Name	Employer	Title	Phone	Email
	Cheryle Mako (*)	NASA	Branch Chief	321-867-4633	cheryle.l.mako@nasa.gov
	Lien Moore (*)	NASA	Lead	321-867-0164	lien.n.moore@nasa.gov
	Camiren Stewart (*)	ESC	Engineer	614-832-6354	camiren.l.stewart@nasa.gov

(*) Indicates professional reference

Additional Information:
During my internship with NASA I became proficient in the MATLAB Simulink and Simscape programs and the Linux operating system. I also used AccuRev for the configuration management of my products. I am skilled in the C and C++ programming languages. I learn very quickly and require very little assistance. I have excellent problem solving skills and a desire to learn. My teamwork skills are superb. I will come up to speed quickly to benefit NASA.

The following information was requested in the job posting:
Cumulative GPA: 3.19 out of 4.0
Degree: Bachelors in Electrical Engineering
Anticipated Graduation Date: December 2015
Major/Area of Study: Electrical Engineering
Credits completed: 128 semester credit hours
Credits enrolled: Currently in an internship at Kennedy Space Center
Coursework completed associated with the position: Introduction to Programming in C, Calculus with Analytic Geometry I, II and III, Differential Equations, Physics I, II and III, Statics, Dynamics, Digital Systems, Electrical Networks, Electromagnetic Fields, Engineering Analysis and Computation, Semiconductor Devices, Networks and Systems, Computer Organization, Electric Power, and Electric Machinery.
I am registered for Selective Service.