

Institution's Name  
**EMBRY-RIDDLE AERONAUTICAL UNIVERSITY**  
Student Employee of the Year Campus Nomination Form

Nominee's Name: Cassandra S. Gribbins

Nominee's Job Title and Brief Job Description (330 character limit):

Lead Developer, Computer Generated Imagery (CGI). This position requires expert knowledge of industry standard visual scenery software. In addition, the Lead Developer provides training to all student developers, oversees daily work, and assesses and reports on quantity and quality of work.

In the space provided below, please provide examples of the nominee's reliability, quality of work, initiative, professionalism and uniqueness of contribution. (1200 character limit for each category)

Reliability:

Ms. Gribbins has been in our employment since July of 2009. Since then, she has averaged 20 hours/per week, an estimated 2500 total work hours.

As of this writing, Ms. Gribbins has NEVER called in sick, NEVER failed to show, NEVER shown up late, NEVER left early, and has ALWAYS worked a complete shift without as much as a break.

Timekeeping enthusiasts refer to themselves as horologists. Left to their own devices, these enthusiasts prefer mechanically driven movements made in Switzerland. Of these, 3 percent qualify and ultimately receive certification by the Contrôle Officiel Suisse des Chronomètres or C.O.S.C.

If you quantify and compare Ms.Gribbins' attendance against the accuracy and reliability of these high end time pieces, every single one fails to meet her standard for reliability.

In the past, the Simulation Center has nominated two employees for SEOTY. Both nominees ultimately received first place awards. If you quantify and compare Ms. Gribbins' attendance against either of these past recipients, they too fail to meet her standard for reliability - She blows their doors off!



## Quality of Work:

All work in support of our fleet of Flight Training Devices is regulated and controlled by the Federal Aviation Administration (FAA). Requirements include an approved Quality Management System (QMS). To meet standard, all aspects of our operation are rigorously managed, documented, and controlled and these high standards extend to our CGI deliverables. All CGI is provided by Ms. Gribbins and her team of developers.

Our full-time Quality Assurance/Control supervisor, an expert in his own right, has been incapable of finding fault in their work. Every polygon, texture, taxi-way, runway, building, and aircraft model is exactly where and how it needs to be. It's as real as it gets, generating kudos from every stakeholder from flight students to FAA Inspectors.

It is worth while to note that to achieve Level 6 qualification, the FAA does not require visual systems in our "simulators." ERAU specs these to allow ab-initio training inclusive of every flight course.

When appropriate, the FAA grants Level 1 to their highest standard in visual scenery. The quality of Ms. Gribbins' work meets FAA Level 1, a requirement exclusive only to multi-million dollar Full Flight Simulators (FFS).

## Initiative:

Founding sister of Lambda Theta Alpha (the first multi-cultural sorority on campus); senior counselor for Girls Exploring Math and Science (GEMS); Teaching Assistant in Advanced 3D Modeling, and the first ever Simulation Center student developer to achieve Lead Developer status, as well as the first ever to be granted the position of Lead Instructor for all development staff. Still not convinced?

The following initiatives are hers and hers alone:

New airport databases including Roanoke, Raleigh-Durham, Chicago, Denver, and the NASA Space Shuttle Landing Facility; a new Alaskan database in support of Control Flight Into Terrain (CFIT) training scenarios for our students AND a complete remake of the Daytona Beach airport with detail of such high quality that it meets industry standard for ground traffic control using ADS-B, a recent initiative under the College of Aviation's Office of Flight Safety.

Ladies and gentlemen, please pareto her initiative, drive, and dedication to any student employee on campus. There are superstars out there, I meet and work with them every day. That said, please know that school is in session and it appears Ms. Gribbins is headed for the podium.

### **Professionalism:**

Personable, responsible, well spoken and a consummate professional. Soft spoken but with a carrying voice, she consistently delivers on time and with great quality; offering leadership and expert guidance to her staff. Ms. Gribbins is careful to plan but quick to task and deliver. She is key to our success as an FAA training center, Flight Department, and leaders in aerospace education.

She exhibits a knowledge, skill, and ability that serves as indicator for great talent as future leader and professional engineer. She continues to demonstrate an ability to isolate and solve complex problems and from day one has earned high regards from full and part time staff.

Ms. Gribbins communication and organizational skills are deserving of high marks. She takes command meeting 100 percent of our work requirements, coordinating with staff on a daily basis, and exceeding personal and professional goals for work, class, and service loads.

Lastly, Ms. Gribbins excels in corporate cultural traits such as safety and positive work ethic. She continuously demonstrates attention to detail and care for safety, and an eagerness to improve our organization in pursuit of ERAU's mission.

### **Uniqueness of Contribution:**

Ms. Gribbins is key to our success as leaders in aerospace education:

She is responsible for the development of all graphic art used in our multi-million dollar fleet of advanced technology FAA qualified Flight Training and Simulation Devices (FSTDs). A fleet unmatched in industry.

She supports a program which in turn supports the Flight Department accounting for fifty percent of all flight training curriculum, and 100 percent of all training in support of our capstone course FA420, which utilizes a level 6 CRJ-200 Regional Jet FSTD.

Without Ms. Gribbins, the Daytona campus would ultimately be forced to eliminate all but instrument training at the Center, an 80 percent reduction.

Her contributions increase experiential learning for our students, improve the overall safety of our flight training program, add to our ability to conduct internal and external research, and ultimately reduce costs for all students engaged in flight training, at the Daytona Beach campus.

Now please refer to my Letter Of Nomination, as it represents a testimonial in support of the uniqueness of Ms. Gribbins' contributions to our global mission.

Thanks for reading. RR/rr.





Please consider the following testimonial from Professor Steinhauer, as my Letter of Nomination on behalf of Cassandra S. Gribbins. I am nominating Ms. Gribbins for the Award of Student Employee of the Year, 2012.

Sincerely,

Raul Rumbaut

Testimonial:

I have known Cassandra Gribbins since she arrived as a freshman in my EGR 120 class. Cassandra stood out not because she was one of a few female but rather as a result of her hard work and outstanding personality. I have since had Cassandra in two more classes – a senior level course and a graduate one- she is at the top of her class both academically and professionally – truly a role model for any of our students.

Based on Cassandra's excellent work ethic, extreme approachability, and patience I asked her to become a lab and class tutor for my advanced CATIA class. Almost immediately I started receiving positive feedback from students about how helpful she was; as a result of her care, they understood and could apply concepts they did not understand before. Instead of providing an immediate answer, Cassandra would take the time to listen, look, and find connections, skillfully asking questions and enabling students to arrive at a solution based on on their own insight.

In the Fall of 2011, I asked her to become a peer mentor in my Introduction to Engineering Design class. Cassandra again exceeded all expectations. She truly bonded with students. She would meet with students as often as needed and around their schedules. She again, patiently fostered students through problems helping them to "discover" solutions themselves.

Cassandra is such the professional that I have asked her to cover lectures for me when I am not able to teach. She has taught lectures for Introduction to Graphical Communication, Introduction to Engineering Design, Advanced CATIA, and Automation and Rapid Prototyping Courses.

Cassandra is an outstanding student employee and truly deserves to be recognized. It speaks volumes to her work ethic and responsibility that I am able to ask her to lead a lecture, grade homework, hold supplemental instruction hours, or simply mentor a student and then note as she excels regardless of task.

Heidi M. Steinhauer  
Associate Professor of Engineering  
Embry-Riddle Aeronautical University  
Daytona Beach, FL 32114  
386-226-6978 (o)  
steinhah@erau.edu