Eric Agredo

1938 NW 2nd AVE. Gainesville, Fl 32603 | ericagredo@ufl.edu | (954) 778-9708

EDUCATION:

University of Florida   **Gainesville, FL**
Bachelor of Computer Science; GPA 3.45/4.0 (Dean's List)   Expected: Dec 2017

RESEARCH EXPERIENCE:

MIT Media Lab, Human Dynamics Group   **Cambridge, Massachusetts**
Undergraduate Research Assistant   June 2017-August 2017
- Selected to become a part of a 37-person cohort amongst 600 applicants to conduct research at MIT
- Developed use cases for a new data protocol called OPAL, which uses cryptography and block chains to ensure data security, by using Fitbit and Twitter public data
- Demonstrated what a malicious query on public data could return and showed how OPAL's implementation removed those uncertainties

Human-Experience Research Lab at University of Florida   **Gainesville, FL**
Undergraduate Research Assistant   January 2016-Present
- Developed a brain interactive simulation used in the qualification rounds for the world's first brain drone race.
- Constructed complex 3D models with SolidWorks and Blender for our lab's simulations.
- Writing extended abstracts and have been participating in extensive literature review

WORK EXPERIENCE:

General Electric Health Care (GE)   **Milwaukee, WI**
Edison Engineering Software Intern   May 2015-July 2015
- Assisted in the development of analytical software used throughout GE Healthcare by using OBIEE.
- Lowered the Mission Failure Rate of the 1.5T & 3T MR Systems by 5% throughout USCAN & EU.
- Conducted quality control on parts of the MR system, specifically the 5hp pump, which was a $2 million project.

LEADERSHIP DEVELOPMENT:

SHPE (Society of Hispanic Professional Engineers) at University of Florida   **Gainesville, FL**
Vice President of Internal Affairs (July 2015)   September 2015- May 2016
- Manage two weekly meetings, while allocating 6hrs/week for board meetings: schedules, agendas, duty delegations
- Remodel organization's mentorship program to retain members and increase student participation.
- Increase member retention by creating socials that tailor to older SHPE members.
- Guaranteeing academic excellence for our members by organizing study groups through our database.

ENGINEERING PROJECTS:

Gator Internet of Things(IoT)   **Gainesville, FL**
Founder of Organization   September 2015-Present
- Working with Dr.Hill to implement the IoT at our University to ensure UF is at the forefront of this new technology.
- Creating a temperature reading system that will send this type of data to a cloud where students can have access 24/7, which will make our libraries "smart"
- Creating a system where we use lasers to count the number of students on each of our libraries
- Coordinate weekly tasks for the executive board to accomplish in order to guarantee success and innovation for the organization

MIT Digital Currency Initiative Bootcamp   **Cambridge, Massachusetts**
One of 25 participants   August 2016
- One of 25 chosen amongst 300 applicants to attend MIT Media Lab's first boot camp
- Participated in lectures held by experts in crypto currency at MIT for an entire week
- Collaborate with 4 other students to develop a novel product dealing with Enigma in cryptocurrency

SKILLS AND INTERESTS:

Language: Spanish (Fluent) **Computer:** Proficient in Java, Swift, Objective C, C++, JavaScript, Computer Building, Microcontrollers, MATLAB **Mechanical:** Solid works, 3D Printing, Laser Cutting, Laser Engraving, 3D Design

HONORS & AWARDS:

Gator Attribute Award for Creativity (Highest UF Engineering Honor), University Scholar   **Gainesville, FL**
April 2016