

James Charles Gallentine

Current Address:

Permanent Address:

<https://www.charliegallentine.com>

Education

Clemson University, Clemson SC	Class of 2020
<ul style="list-style-type: none">- Computer Engineering- Clemson National Scholars Program<ul style="list-style-type: none">- Full tuition, housing, materials, study abroad, merit scholarship- One of six students in the Class of 2020- GPA: 3.81	
Stellenbosch University, South Africa	Summer 2017
<ul style="list-style-type: none">- Study abroad	
International Baccalaureate Program	2016
<ul style="list-style-type: none">- National Merit Scholarship (2016)	
National Outdoor Leadership School (NOLS)	2014

Experience

Software Engineering Intern – Honeybee Robotics, Flight Systems Group	2018
<ul style="list-style-type: none">- Software and algorithm development in MatLab, C, C++, and Python- Firmware development on MSP430 microcontroller- Electronic circuit design and construction- Part ordering, tracking, and assembly	
PERSIST Lab Undergraduate Researcher	2018-
<ul style="list-style-type: none">- Paid research under Dr. Jacob Sorber on batteryless computing- Firmware development and hardware interfacing with MSP430 microcontroller	
Clemson National Scholars Webmaster Intern	2017-
<ul style="list-style-type: none">- Website design and maintenance for the Clemson National Scholars Program- Focus on creating an engaging, informative, and intuitive interface	
CUhackit Hackathon Webmaster	2017-
<ul style="list-style-type: none">- Lead of Website Design team- www.cuhack.it www.cuhack.it/cuhackit18	
NASA Micro-g NExT Design Challenge	2017 - 2018
<ul style="list-style-type: none">- Challenged to design and development of a mechanism to take ice core samples while mounted on a NASA designed robot	
FIRST Robotics Team 6412	2012 - 2016
<ul style="list-style-type: none">- Founding member	

Skills

Programming:

- C/C++
- Python
- Javascript
- MSP430/PIC32
- MatLab

Computer Application:

- Microsoft Excel
- SolidWorks
- Autodesk Inventor

Websites

- <https://www.charliegallentine.com>
- <http://www.cuhack.it/>
- <http://www.cuhack.it/cuhackit18>
- <https://www.houserulz.net>
- <https://www.clemson.edu/academics/programs/national-scholars/>