James Charles Gallentine

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www.charliegallentine.com

Education

Clemson University, Clemson SC   Class of 2020
  - **Computer Engineering**
  - Clemson National Scholars Program
  - GPA: 3.81

Stellenbosch University, South Africa   Summer 2017
  - Study abroad

International Baccalaureate Program   2016
  - National Merit Scholarship (2016)

National Outdoor Leadership School (NOLS)   2014

Experience

Software Engineering Intern – Honeybee Robotics, Flight Systems Group   2018
  - Software and algorithm development in MatLab, C++, and Python
  - Electronic circuit design and construction
  - Part ordering, tracking, and assembly

Webmaster Intern   2017-
  - Website design and maintenance for the Clemson National Scholars Program
  - Focus on creating an engaging, informative, and intuitive interface

CUhackit Hackathon   2018-
  - Website design team
  - www.cuhack.it

NASA Micro-g NExT Design Challenge   2017-
  - Challenged to design and development of a mechanism to take ice core samples while mounted on a NASA designed robot

Clemson National Scholars Program   2016-
  - Full tuition, housing, materials, four-year merit scholarship
  - One of six students in the Class of 2020

FIRST Robotics Team 6412   2012 - 2016
  - Founding member

Skills

Programming:
  - Python   - JavaScript
  - HTML   - CSS
  - Matlab   - C/C++
  - Java   - Unix Command Line

Computer Application:
  - Microsoft Excel   - SolidWorks
  - Autodesk Inventor

Activities

  - Club Tennis
  - Guitar making
  - Running