Harrison Christian Hall

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EDUCATION

Clemson University   Clemson, SC
Bachelor of Science in Computer Science   Spring 2021
Bachelor of Science in Physics
GPA: 3.64/4.00

- Organizations include the Clemson Association for Computing Machinery (2017-current), Coastal Carolina University Phi Eta Sigma (20 April 2016), Clemson University Rocket Engineering (2017-current)
- Relevant Computer Science coursework: Algorithms and Data Structures, Computer Organization, Network Programming, Software Development Foundations, Software Engineering, Team Programming
- Relevant Physics coursework: Computational Physics, Electromagnetics I, Experimental Physics I, Mechanics I & II, Theoretical Methods of Physics I & II, Thermodynamics & Statistical Mechanics, Quantum Physics I

WORK

Employed for 4 summers at NYCE LLC Tropical Sno, promoted to manager during 2017 season	Summer 2014-2017
Managed file systems at Spann Roofing	Summer 2018
Energy analyst and scripter at Clemson Energy Visualization and Analytics Center	Summer 2019-current

Energy analyst and scripter at Clemson Energy Visualization and Analytics Center
- Developed data aggregation system to automate transfer
- Developed and monitored alert system to identify, group, and email anomalies

LEADERSHIP EXPERIENCE

- Head of programming in Clemson University Rocket Engineering Avionics
  - Wrote C++ code to use the BME280 temperature and pressure sensor in the avionics bay of Tiger-1 and fully updated entire system for Howard's Rocket
  - Wrote full avionics system in Python for 2019-2020 for use with Raspberry Pi and SenseHat
  - Certified for machining in Clemson's Cook Mechanical Engineering Lab

COMPETITIONS

CUhackit	2018, 2019
Clemson Amazon Web Services Cloud-a-thon	2018
Google Tech Challenge	2018, 2019
Spaceport America Intercollegiate Rocket Engineering Competition (IREC)	2018, 2019

TECHNICAL SKILLS

Arduino	C/C++	Django	HTML/CSS
Java	MatLab	Python	SAS Studio/VA