Harrison Christian Hall

harrisonchristianhall@gmail.com
(843) 421-5698
linkedin.com/in/harrison-hall-525b81123/

hchall@g.clemson.edu
harrisonchristianhall.com
github.com/HarrisonHall

EDUCATION

Clemson University   Clemson, SC
Bachelor of Science in Computer Science   Spring 2021
Bachelor of Science in Physics
GPA: 3.66/4.00

- 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, Advanced Algorithms, Computer Organization, Machine Learning, Network Programming, Operating Systems, Software Development Foundations, Software Engineering, Team Programming
- Relevant Physics coursework: Computational Physics, Electromagnetics, Experimental Physics I & II, Mechanics I & II, Theoretical Methods of Physics I & II, Thermodynamics & Statistical Mechanics, Quantum Physics

WORK

Software development intern at Raytheon CODEX   Summer 2020
- Team developed aviation software for anomaly detection and classification
- Developed binary data parser, fuzzing tool, and test harness
- Experience with ARINC-429, CANBUS, and MIL-STD-1553B protocols with C++, NodeJS, and Python

Energy data analyst and scripter at Clemson Energy Visualization and Analytics Center   2019-2020
- Developed data aggregation system to automate transfer
- Developed and monitored alert system to identify, group, and email anomalies
- Analyzed and developed system to predict occupancy from Wireless Access Points

LEADERSHIP EXPERIENCE

Avionics subteam-lead in Clemson University Rocket Engineering
- Top-down redesign of CURE SRAD avionics bay using Python and the Raspberry Pi
- Developed drag simulation for predicting rocket flight
- Certified for machining in Clemson's Cook Mechanical Engineering Lab

COMPETITIONS

CUhackit	2018, 2019, 2020
Clemson Amazon Web Services Cloud-a-thon	2018
Google Tech Challenge	2018, 2019
HackDuke (winner of best domain name)	2019
Spaceport America Intercollegiate Rocket Engineering Competition (IREC)	2018, 2019

TECHNICAL SKILLS

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