JENNA HOFSETH
DATA SCIENTIST & FULL STACK SOFTWARE DEVELOPER

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DATA SCIENTIST & FULL STACK SOFTWARE DEVELOPER SUMMARY

- Undergraduate Clemson computer science student student with a minor in cybersecurity and several years of experience in object-oriented & algorithmic design.
- Competed in VEX Robotics (C++, VEX PROS) on state, national, and world levels, and worked in two autonomous robotics research labs using ROS, C++, Python, and Arduino with vision sensors such as RPLIDAR-A2 and Intel RealSense D435i Depth Camera.
- Competed in and received awards for various state and national-level Technology Student Association competitions and acted for the SC delegation as state representative 2019-2020, serving the role of Secretary and coordinating & leading delegation conferences throughout the year.

WORK EXPERIENCE

CLEMSON UNIVERSITY   **LAPTOP SUPPORT TECHNICIAN**
January 2021 - Present
Provided campus support for Windows and MacOS laptops in all software and minor hardware issues. Used problem-solving and technical IT skills to maintain fast and effective services for Clemson students and faculty.

CLEMSON UNIVERSITY   **CPSC 1010 TEACHING ASSISTANT**
August 2021 - Present
Led introductory labs in C and Linux. Implemented programming techniques and methods according to research on ways to maintain retention in freshman CS majors. Mentored other students in success and professional development through office hours and guidance in-lab.

EDUCATION

CLEMSON UNIVERSITY   **BACHELOR OF SCIENCE IN CS, MINOR IN CYBERSECURITY**
January 2021 - December 2023
Junior undergraduate in Honors College, GPA of *4.0.*
Relevant Courses: Algorithms and Data Structures, Discrete Mathematics, Software Development HON, Calculus of Several Variables, General Engineering.
Programming Captain of *VEXU Robotics Team BCUZ,* 2021-present, receiving 1 award on the state level and qualifying for the 2021 international championship.
Research team member for *ground vehicle & autonomous vision development* Creative Inquiry lab, 2021-present.

DUTCH FORK HIGH SCHOOL   **STEM DEGREE IN MATHEMATICS AND ENGINEERING**
August 2016 - June 2020
SAT: 1540 (800 Math, 740 English).
President of *VEX Robotics Club* 2018-2020, *Vice President* 2017-2018.
State Secretary of *SCTSA*, with 6 state-level awards in problem solving, essays on technology, scientific visualization, and web design, and 6 in VEX robotics design, excellence, tournament champion, and skills champion. Placed 12th nationally for TSA VEX 2019.
Co-captain and *programming & documentation leader* of *VEX Team 7432E* and *7432C*, with 20 awards on the state level, national semi-finalists 2019, and qualifying for the world championship 3 times. Received second highest programming score in division at VEX World Championship, 2018.

SKILLS

Languages: Java, C++, MySQL, C, Python, CSS, HTML, JavaScript, Swift.
Back-End Technologies: Linux, ROS, Beautiful Soup, Amazon AWS RDS & EC2, JUnit, JDBC.
Front-End Technologies: Bootstrap, Java Swing.

INTERESTS

Building PCs, hiking the waterfalls around Clemson, discovering new ways to express myself (especially when researching Japanese & Korean street style and finding new music genres), improving my typing (just got back up to 105 wpm), playing games with my friends on my PC, Switch, and Quest, and anything related to art.

PROJECTS

- Portfolio Website (HTML, CSS, Bootstrap, JavaScript), 2021-present - Custom website to showcase front-end design capabilities and provide quick access to details and projects concerning professional computer science experience.

- Clemson Student Scheduler (Java with Swing, MySQL, AWS RDS & EC2, JDBC), 2021-present - App that works with a database to provide Clemson students an easy way to algorithmically generate and edit schedules and provide administration a way to alter or add new data to the database. Initially brainstormed as a semester-long honors project, so currently limited to CS students.