

# JENNA HOFSETH

COMPUTER SCIENTIST & FULL-STACK DEVELOPER

jhofset@clemson.edu

803.521.5100

linkedin.com/in/jenna-hofseth/

www.jhofseth.com/

## COMPUTER SCIENTIST & FULL-STACK DEVELOPER SUMMARY

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- Undergraduate Clemson Honors computer science student with a minor in cybersecurity and several years of development experience in web, software, & object-oriented design.
- Competed in VEX Robotics (C++, VEX PROS) for six years on state, national, and worldwide levels. Several years of real-world experience in web development and autonomous robotics research labs.

## WORK EXPERIENCE

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### LPL FINANCIAL

Collaborated with a small team in real-time web development, reworking a financial advisory web platform to achieve an end goal of flexibility, responsiveness, and compliancy. Completed stories in Jira Software to maintain a steady workflow using Agile development techniques and a microservice architecture. Established development experience in Angular, Typescript, and HTML/CSS, with additional exposure to C# and Java.

### SOFTWARE ENGINEERING INTERN

June 2022 - Present

### CLEMSON UNIVERSITY

Led introductory labs in C, C++, and Linux. Implemented instruction techniques and methods according to research on retaining enrollment for novice CS majors. Mentored other students in success and professional development through office hours and guidance in-lab.

### CPSC 1010 & 1020 TA

August 2021 - May 2022

## EDUCATION

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### CLEMSON UNIVERSITY

Second-semester junior undergraduate in the Clemson Honors College, GPA of 4.0. Programming & Documentation Lead of VEXU Robotics Team BCUZ, 2021-present, with 4 awards on the national level. Competed in both 2021 & 2022 World Championships. Research team member for ground vehicle & autonomous vision development research, 2021-2022.

### BACHELOR OF SCIENCE IN CS, MINOR IN CYBERSECURITY

January 2021 - December 2023

Relevant Courses: Intro to Software Engineering, Intro to Operating Systems (C), Networks and Network Programming (C, Python), Human and Computer Interaction, Algorithms and Data Structures (C++), Intro to Computer Organization (C), Discrete Mathematics, Software Development HON (Java, MySQL, AWS), Calculus of Several Variables, General Engineering, Computing Ethics, Linear Algebra, Programming Methodologies (C, C++).

### DUTCH FORK HIGH SCHOOL

Programming & Documentation Lead of VEX Robotics teams 7432E and 7432C, with 20 state-level awards. Second highest programming score in division at the 2018 VEX World Championship.

### STEM DEGREE IN MATHEMATICS AND ENGINEERING

May 2016 - June 2020

State Secretary of SCTSA, 2019-2020, serving to lead delegation conferences throughout the year. 6 state-level awards in problem solving, essays on technology, scientific visualization, and web design, and 6 in VEX Robotics. Placed 12th nationally for TSA VEX 2019.

## SKILLS

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Languages: Java, C++, C, Python, MySQL, TypeScript, CSS, HTML, JavaScript, Swift.  
Tools & Platforms: Linux, ROS, Amazon AWS RDS & EC2, JUnit, JDBC, Git, Jira Software, Bootstrap.

## INTERESTS

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Building PCs, hiking the waterfalls around Clemson, discovering new ways to express myself through music, art, and dress, mechanical keyboards & typing, and playing games with my friends on my PC and Nintendo Switch.

## PROJECTS

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- Portfolio Website (HTML, CSS, Bootstrap, JavaScript), 2021-present: Custom website to showcase front-end design capabilities and provide quick access to details concerning professional computer science experience.
- Clemson Student Scheduler (Java, Swing, MySQL, AWS RDS & EC2, JDBC), 2021-2022: App using a MySQL database to provide Clemson CS students an easy way to algorithmically generate and edit schedules, and provide administration a way to alter or add new data to the database.