

# Cole DiGregorio

(631) 377-1803 | [cdigreg@clemson.edu](mailto:cdigreg@clemson.edu) | [coledigregorio4.github.io](https://github.com/coledigregorio4) | <https://www.linkedin.com/in/coledigregorio/>

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## EDUCATION

**Clemson University** | Clemson, SC | B.S Computer Information Systems | GPA 3.2/4.00 May 2026  
**Suffolk Community College** | Riverhead, NY | Digital Marketing | GPA 4.00/4.00 2023 - 2023  
**College of the Holy Cross** | Worcester, MA | B.S. Computer Science 2020 - 2022

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## RELEVANT COURSEWORK

Software Engineering, Introduction to Operating Systems, Decision models for Management, Applied Data Science

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## COMPUTER SCIENCE PROJECTS *(links to projects provided)*

- Java** | **Connect 4 Game** December, 2024
- Hosted and Managed a project with a Team through GitHub
  - Engineered a scalable GameBoard system with abstract classes and interfaces while supporting dynamic game rules.
  - Designed 2 implementation options for GameBoard: a memory efficient hash map and a high speed 2D array
  - Ensured quality with 100% Junit coverage, UML's documentation, and adherence to functional/non-functional requirements
- C** | **Creating Circle using PPM** October, 2024
- Parsed and processed input files to generate images in a PPM format
  - Developed customized struts for efficient data organization and manipulation
  - Generated high-quality images by correctly writing PPM headers and pixel data to output files
  - Streamlined workflows by automating compilation and execution using a robust Makefile
- Excel** | **Olympic Game Data Analysis and Visualization** November, 2024
- Designed a multi-sheet workbook to track over 80 athlete performances across five countries in the 2024 Olympics
  - Automated calculations, reducing manual inputs, and created dynamic summaries across worksheets
  - Visualized medal distributions with interactive charts to compare total medal counts
- C++** | **Caesar Cipher** | **Encryption and Decryption** December, 2023
- Developed an encryption and decryption algorithm capable of handling customizable character shifts using flexible keys
  - Enhanced functionality with an overload constructor to initialize key values efficiently
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## WORK EXPERIENCE

**American Beech**, Greenport, NY Summers, 2022 - 2024  
Bartender/Bar manager (40 - 55 hours/week)

- Evaluated inventory including ordering, receiving, and stocking supplies
- Supervised and managed team of 6 bartenders
- Facilitated bar preparation for high-traffic weekends, ensuring smooth operations and customer satisfaction

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## EXTRACURRICULAR

**Clemson Rugby**, Clemson, SC 2023 - Present  
Team Member (8 - 10 hours/week)  
Executive Board | Social Media Manager (8 - 10 hours/week)

**Holy Cross Rugby**, Worcester, MA 2021 - 2022  
Team Member (8 - 10 hours/week)  
Executive Board | Social Media manager (5 - 7 hours/week)

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## TECHNICAL SKILLS

**Proficient:** Java, C++, C, Excel, Access, Word, Powerpoint, Adobe Illustrator, Adobe Photoshop, Final Cut Pro, Linux, Git, GitHub, Python, Agile, Scrum