# NATHANIEL LYBRAND

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## EDUCATION

**University of South Carolina; Columbia, SC**
*Bachelor of Science in Integrated Information Technology*; May 2026
Overall GPA: 4.0, President's List: 1 Semester

## RELEVANT COURSEWORK

Computer Hardware and Software
Cybersecurity Operations
Introduction to Databases
Calculus for Business
Thriving in the Tech Age
Intro. To Computer Science

## RELATED TECHNICAL SKILLS

- **C | C# | C++**
- **Unity Game Engine**
- **Object Oriented Programming (OOP)**
- **Python | Data Analysis**
- **Python | Machine Learning**
- **Python | Web Scraping**
- **JavaScript | React Development**
- **JavaScript | Vue Development**
- **HTML | CSS | Web Development**
- **Docker**
- **Linux**

## RELATED SOFT SKILLS

- **Problem Solving**
- **Technical Communication**
- **Teamwork Communication**
- **Interpersonal Communication**

## RELATED TECHNICAL EXPERIENCE

- **Developed a full stack web application using React and Fast API to communicate with the YouTube Data API, and retrieve videos based on search parameters. Containerized using Docker.**
- **Developed a Web Scrape using the Python Scrapy package, to output web data into a CSV file. Maintains persistence using headless HTTPS requests.**
- **Developed a Conditional GAN (Generative Adversarial Network) to colorize black and white images using the PyTorch Deep Learning Framework.**
- **Competed in the "Optiver – Trading at the Close" Data Science Competition to predict stock prices in the S&P 500.**