

# Cole H. ROTTENBERG

✉ cole.rottenberg@gmail.com | ☎ 407-961-0600 |  colerottenberg |  colerottenberg | 📍 Orlando, Florida

OBJECTIVE: A software engineering graduate with 2 years of work experience at various internships seeking opportunities to develop systematic trading applications for .

## EDUCATION

---

### Computer Engineering — *Bachelor of Science*

Herbert Wertheim College of Engineering  
University of Florida, Gainesville, Florida

AUG 2020 - DEC 2024

GPA: 3.52

## EXPERIENCE

---

### Blue Vigil — *Summer Intern*

MAY 2023 - AUG 2023

- Developed communication protocols for data transfer over RS-485 in electrically noisy environments. Implemented Reed Solomon Error-correction code alleviating communication faults due to corruption.
- Built fault warning systems within commercial drone lighting system on **ESP-32s**

### AlgoGators Investment Fund — *Assistant Portfolio Manager*

AUG 2023 - PRESENT

- Developed and deployed a comprehensive Python-based application for divergent strategies, integrating SQL server for futures data retrieval across 100+ instruments. Implemented advanced analytics using exponentially weighted moving averages to generate trading signals, and designed dynamic optimization algorithms for capital-efficient position management.
- Successfully automated signal generation using cron and played a key role in system deployment on a remote server, enhancing operational efficiency and decision-making in trading strategies.

## TECHNICAL PROJECTS

---

### Personal Project — *Expressive Resume*

NOV 2021 - DEC 2021

- Created a **LaTeX** class that makes it easy for anyone to quickly create a beautiful resume and cover letter.