Colin T. Le

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EDUCATION

University of Central Florida, Orlando FL • Burnett Honors Scholar
GPA: 3.95 / 4.00
Major: **Computer Science and Mathematics** with Honors
Projected Graduation Date: May 2025

INTERNSHIPS

Mirizan (Jan. 2022 – May 2022) • React-Native Software Developer Intern
- *Email Automations Project*
  - Developed a NodeJS script to scan the company's MySQL database for active venues, join their schedules as well as their active employee assigned specific dates for the current month, and pass through an asynchronous process that formats an email listing the dates for their specific venue and submits it once.
- *Mirizan App*
  - Developed views (Vegan & Non-Vegan Menus, Login, and Products) within the *Mirizan* App, which is available in the App Store and Google Play Store, using JavaScript and frameworks like React Native.

Robins Air Force Base (May 2022 – Aug. 2022) • Computer Scientist Intern
- Developed and supported automated scripts running with VBA on Excel to create recruiting schedule for Fall 2022.
- Partnered with other developers in the team for design and development of recruiting materials such as survey websites etc.
- Secret-level clearance, active (January 2022–present)

UCF Lockheed Martin College Work Experience Program (Aug. 2022 – Present) • System Engineering Intern
- Developing Integration and Test processes and performing integration of System components, as well as determining verification methods, development of test documentation, and test planning and product test execution.
- Developing and recommending the system architecture and interfaces of the product.
- Analyzing customer's initial design specifications and development of product specifications and techniques to satisfy customer requirements.

PROJECTS

Wearable Engineering and Assistive Robotics (WEAR) Lab (Aug. 2021 – Present) • Lab Researcher
- *Pre – Impact Fall Detection and Prevention using Wearable Functional Electrical Stimulation (FallFES)*
  - Developing a Python threshold/machine learning-based pre-impact fall detection algorithm to detect a fall at its descending phase.
  - Developing a closed-loop FES control algorithm using Pandas and Numpy for arresting a fall in real-time after pre-impact fall detection.
- *Intelligent, Interactive and Intuitive Autonomous Robotic Cart (I^3ARC)*
  - Developing an autonomous cart using a Robot Operating System (ROS) platform for navigation, collision avoidance and person following features.
  - Developing a mobile app to help customers interact with the autonomous cart.

KnightHacks at UCF (Aug. 2021 – Present) • Student Data Scientist
- Utilizing Python and technologies like Pandas, Numpy, and Matplotlib to interpret data collection, cleaning, visualization, and prediction on student responses.

Personal Portfolio Website (Aug. 2022) • www.colinle.com
- Developed an interactive website (designed and built by me) using HTML, CSS, and JavaScript to portray my interest in Computer Science, projects, and skills.
- More details about me and my projects and skills can be found on my website.

RELEVANT SKILLS

Programming Languages	C/C++, CSS, HTML Java, JavaScript, MATLAB, Python, VBA
Technologies	Arduino, AWS, Git, Gitlab, Jira, Jupyter Notebook, Linux, NodeJS, React/React Native, ROS, Ubuntu