

ROBERT THOMAS

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Education

Bachelor of Science: Computer Engineering (4.0)

Expected in May 2025

- **Minors: Mathematics, French**

University of North Carolina at Charlotte

Charlotte, NC

Certificate: Digital Media Technology

Dec 2022

South Piedmont Community College

Monroe, NC

Projects

Research Project: Machine Learning

- Assisted in the training of a machine learning algorithm using YOLOv5 model training.
- Algorithm successfully improved existing software to detect traffic lights for autonomous vehicles.

RaspberryPi Web Server: robertengineer.com

- Manual installation and development using HTML, CSS, and Javascript.
- Successfully integrated the server with Linode webhosting.

Custom Computer Build

- Selected, assembled, and configured components to build a high-performance system.
- Added and upgraded additional components to improve performance.

Relevant Employment History

Unmanned Aerial Vehicle Engineer

Oct 2023 - Current

University of North Carolina, Charlotte.

Charlotte, NC

- Assisted in the design and development of a UAV.
- Used C++ to program a UAV to work autonomously.

Classroom Support Technician

Aug 2023 - Current

University of North Carolina, Charlotte.

Charlotte, NC

- Took calls regarding computer issues and resolved the issues.
- Worked with various kinds of PCs, projectors, and microphones.

Technical Skills

- Python/C++
- Robotics/UAVs
- Embedded Systems
- Adobe Systems
- Digital Design/Animation