

Noah Lunberry  
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GitHub: <https://github.com/noahlunberry>

## EDUCATION

University of Florida

Bachelor of Science, Computer Science, Minor in Electrical Engineering | GPA: 3.93 | Honors: Dean's List

Graduating 2027

Gainesville, FL

- Clubs: SASE (Society for Asian American Scientists and Engineers), JSA (Japanese Student Association), Japanese Club, Open Source Club, Club Swim
- Current Classes: Business Japanese, Operating Systems, Databases, Intro to Software Engineering Projects & Certificates
- ExPark - Parking Ticket Prediction Tool

August 2024

Demo video: <https://www.youtube.com/watch?v=tylZeggank>

- Built a Flask-based web app in Python to predict parking ticket risk using DC violation datasets; processed over 100K entries and visualized risk zones with heatmaps.
- Engineered algorithm module comparing BFS vs. Dijkstra's performance on geospatial node graphs to explore route-based citation probabilities.
- Processed and visualized citywide parking data using Pandas, Matplotlib, and Geopy to highlight ticketing hotspots and trends
- NVIDIA \* ColorStack UF Deep Learning Program

February 2024

- Selected for a competitive, application-based program in collaboration with NVIDIA, where I earned the Deep Learning Institute (DLI) certification through intensive, hands-on model training and evaluation.
- Built and optimized convolutional neural networks (CNNs) using TensorFlow/ Keras, improving image classification accuracy from 72% to 91% with hyperparameter tuning and transfer learning.
- EZSplit - Bill Splitting Web App with AI Receipt Detection

September 2024 - Present

Source code: <https://github.com/noahlunberry/EZSplit> (still in production)

- Building a full-stack web app using Flask, React, and TensorFlow, enabling users to upload receipt photos and split bills.
- Integrated Tesseract OCR to extract text from receipts; currently developing logic to structure scanned data into itemized tables for accurate cost-splitting.
- University of Florida Verizon Gator Hackathon

October 2023

- Built a functional prototype of Verizon's website with a full-stack architecture and integrated a GPT-based chatbot that recommended phones and plans based on user queries.
- TryHackMe "Introduction to Cyber Security Learning Path" Certificate

June 2020

Completed a hands-on learning path covering penetration testing, vulnerability scanning, and network analysis using tools like Wireshark, Nmap, Metasploit, and Burp Suite.

• Full Stack Movie Review Site (HTML, CSS, JavaScript, MongoDB, NodeJS)

December 2023

Source code: <https://noahmoviesite.onrender.com/>

- Developed a full-stack application using Nodejs, MongoDB, and MovieDB API to allow users to search movies, write reviews, and browse community feedback.
- Built responsive frontend with HTML, CSS, and vanilla JavaScript, enabling real-time review submission and search functionality.

## WORK EXPERIENCE

CES (Computer Evidence Specialists)

Junior Compliance Analyst

June 2024 - Present

Gainesville, FL

- Conducted compliance checks by visiting retail locations across Florida as part of an FDA tobacco enforcement program, ensuring stores adhered to federal sales regulations.
- Built a custom Python application that generated optimized daily inspection routes from FDA-provided store lists, tracked visit counts, hours worked, and logged sales for reimbursement tracking.

Jacksonville Japanese School

Instructor/ Teacher's Assistant

August 2021 - December 2022

Jacksonville, FL

- Assisted with Japanese language instruction and cultural programming; volunteered at community events like "World of Nations" to support cross-cultural education.

## SKILLS

Languages & Frameworks: Python, JavaScript, HTML/CSS, C++, Bash, Node.js, Express, MongoDB Tools &

Technologies: Git, GitHub, Linux (Kali, Mint), Raspberry Pi, Tesseract OCR, TensorFlow, Flask, React Other: Fluent in English & Japanese, Business Japanese (in progress)