

# Andrew Lee

[Portfolio](#) | [Email](#) | [LinkedIn](#) | [GitHub](#)

## EDUCATION

### Emory University

*Bachelor of Science in Computer Science — Concentration in AI*

- Nominated for Residence Life Sophomore Advisor of the Year

Atlanta, GA, USA

*Expected May 2026*

## EXPERIENCE

### Frontend AI Software Developer Intern

*Customboxes.io*

June 2025 – Present

*Remote (Sarasota, FL)*

- Built a Shopify embedded AI app designed to improve custom packaging design process
- Developed and improved the UI and UX frontend
- Designed a extensive brochure website to present the app
- Trained the base NLP LLM shown in the AI assistant
- Integrated the full stack app with Shopify development and Supabase data services

### CAMM Research Intern

*University of Tennessee Knoxville Center for Advanced Materials and Manufacturing (CAMM)*

June 2024 – August 2024

*Knoxville, TN, USA*

- Presented at Summer Research Scholars Poster Symposium
- Worked with physics department at CAMM research laboratory to reformat scanning tunneling microscope images
- Utilized matplotlib, nanonisload, and numpy to correctly identify quasiparticle interference to prove the superconductivity of Iron Selenide (FeSe)
- Data analysis and AI to refactor the image to present accurate crystal structure

## COMMUNITY & LEADERSHIP

### Board Member

*Emory Hacks*

April 2025 – Present

*Atlanta, GA, USA*

- Successful hosting, preparing, and recruiting of hackathons

## PROJECTS

### Robustness Evaluation of Adversarial Music Poisoning | *HarmonyDagger*

September 2025 – December 2025

- Research on music poisoning systems (HarmonyDagger) against generative models (MusicGen)

### AI Detection Biases with the Rise of LLMs | *PushPull, GPT, GPTZero*

September 2025 – December 2025

- Paper on short form writing (TwoSentenceHorror) in AI detection systems

### Real-Time Handwritten Digit Recognition Using CNNs | *OpenCV*

September 2025 – December 2025

- Research paper on how OpenCV uses live detection of digits using MNIST to solve Zetamac arithmetic

### Binding | *Figma, Reactjs, Unicorn, GitHub, MongoDB, Node*

January 2025 – May 2025

- Originally designed in Figma
- Full stack group project for a website recommending books based on personality based tagging

### Classify | *GPT, Flask Python, GitHub*

January 2024 – May 2024

- Chatbot group project improving upon class selection processes at Emory
- Provides advice based on professors, major requirements, etc using data scrapping, NLP, and AI manipulation

### Sentiment Analysis Stock Prediction | *Kaggle, Naive-Bayes Classifier*

January 2024 – May 2024

### Life Span Patterns from Country Income | *HRMI Data, PostgreSQL, Matplotlib*

January 2025 – May 2025

### Impact of Natural Disasters on Flights | *Fly Data, R Studio*

August 2024 – December 2024

## TECHNICAL SKILLS

**Languages:** Python, C, Java, HTML, R, Assembly, MATLAB, Lua, SQL, Javascript, Typescript

**Frameworks:** Node, React, PyTorch, TensorFlow, Scikit-learn, Polaris

**Developer Tools:** Git, GitHub, SQL Management, Visual Sutdio Code, JetBrains, Google Colab

**Libraries:** Word2vec, OpenCV,

**Applications:** Google Studio, Microsoft Office, MongoDB, Supabase, Shopify