

ELI RICHMOND

If you can put me in an environment where everyone is expected to care and given the option to lead, I will be a fantastic addition to that team, and there is no doubt that together we can make something we're proud of.

<https://bloge.li>
870-277-8904
eerichmond33@gmail.com



Technical Skills

C++, Python, PyTorch
PostgreSQL, HTML/CSS/JS,
Django, Solidity, Writing

EXPERIENCE

Sourceformer

summer of 2023

East Carolina University REU Program

- Proposed, implemented, and wrote the paper for my AI model, Sourceformer.

Modified Dibels

2022

Arkansas State University Research

- Part 1: Built and deployed the entire website to collect data from our Modified Dibels test.
- Part 2: Integrated a CNN into the discriminator of the Attr2font GAN, our base AI model architecture.

Avant-Gardes v1: Rick Rolled

summer of 2021

Personal Project [see all](#)

- Built and deployed a website that interfaced with the Ethereum blockchain to mint my NFT collection, Rick Rolled.

Blog

2022-now

Art

- Short-form articles with a focus on things that interest me but also, more importantly, potentially help the reader.

EDUCATION

Arkansas State University

B.S. in Computer Science 2024
Honors College
GPA 3.83

Online courses

Deep Learning Specialization

Neural Networks and Deep Learning
Improving Deep Neural Networks:
Hyperparameter Tuning, Regularization and
Optimization
Structuring Machine Learning Projects
Convolutional Neural Networks
Sequence Models

Harvard's CS50x, CS50ai, & CS50w

Introduction to Computer Science
Introduction to Artificial Intelligence with
Python
Web Programming with Python and
JavaScript

Books & Papers

Check out every book I've ever read [here](#) and every paper [here](#).

Vehicle detailing company

I ran my own detailing business for two years.

See 3 letters of reference below



September 5, 2023

Dear Madam or Sir:

It is my pleasure to write you in support of Eli Richmond's application. I have known Eli since May 15, 2023, when he joined the Research Experiences for Undergraduates (REU) in Software and Data Analytics program at ECU. I believe Eli is an excellent candidate because he has great analytical and technical skills, is passionate about deep learning and natural language processing, is very professional, and has great communication skills.

During the REU, participants had to present their progress and provide feedback to their colleagues once a week, meet regularly with their faculty mentors to present updates on their projects and discuss plans for next steps, and participate in a weekly journal club. Eli was frequently praised by faculty and peers for his great presentations of his progress, and usually asked his colleagues insightful questions about their projects. During our regular meetings he always came prepared, on time, and delivered what he proposed to do in the previous meeting. He worked well with very little supervision – all I had to do is provide a development environment for his project, which focused on tools integration into transformer through source code. He connected to the remote Linux server, installed all the prerequisites, and ran the experiments. For the journal club he proposed the most recent, impactful articles, and led their discussion, during which he showed good understanding of the methods used and experimental design.

On a personal level, I very much enjoyed the few informal conversations I had with him, during which we discussed various topics. These inspired me to read some of his favorite books.

In short, I would highly recommend Eli. If I can be of any further assistance, or provide you with any additional information, please do not hesitate to contact me.

Yours sincerely,

A handwritten signature in black ink that reads "Nic Herndon". The signature is written in a cursive, slightly slanted style.

Nic Herndon, PhD

Assistant Professor and Graduate Program Director

Department of Computer Science

East Carolina University

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To Whom It May Concern:

It is my honor to recommend Mr. Eli Richmond. He is an outstanding undergraduate student pursuing a B.S. in Computer Science at Arkansas State University. Eli has been a student in many of my courses, and I have been extraordinarily impressed with his academic progress, both inside and outside of the classroom. His motivation and academic curiosity are qualities that set him apart from his peers.

In addition to his coursework, Eli has been the lead undergraduate research assistant on a unique, interdisciplinary project titled "Dyslexia and AI: The Use of Artificial Intelligence to Identify and Create Fonts to Improve the Reading Ability of Individuals with Dyslexia." Along with the Department of Computer Science, this project involves faculty from the Department of Teacher Education, Department of Art+Design, Department of Psychology, and Department of Communication Disorders. His work on this project showcases his ability to communicate and interact with individuals beyond the area of computer science.

Eli took the lead on multiple implementation details related to the aforementioned project. These include coordinating the design and implementation of the user interface, implementation of AI/ML models for training and testing, and actively participating in a summer camp for K-8 students to collect real-world data. He is one of the recognized authors of the manuscript published in the 2023 Society for Information Technology & Teacher Education (SITE) conference proceedings and was a co-presenter of this work during the 34th International SITE Conference on March 14, 2023.

In closing, I would like to reiterate my support for Mr. Eli Richmond. Please feel free to contact me if you have further questions.

Sincerely,

Jake A. Qualls, Ph.D.
Assistant Professor of Bioinformatics
Department of Computer Science
Arkansas State University
jqalls@astate.edu



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August 21, 2023

To Whom it May Concern:

I've had the pleasure of working with Mr. Eli Richmond on a research project "Dyslexia and AI: The Use of Artificial Intelligence to Identify and Create Font to Improve Reading Ability of Individuals with Dyslexia", an ongoing collaborative research project on the effects of font on people with dyslexia. This research has been presented at the NSSA 2022 conference in San Diego, California, and the SITE 2023 conference in New Orleans in March. The latter conference will also publish a proceedings journal with a paper version of our presentation included.

Mr. Richmond has been invaluable in this project. He was responsible for developing a web application for testing how the performance of dyslexic students changed when they were exposed to different fonts. Mr. Richmond performed well on this task, successfully meeting expectations, accommodating revisions, and conducting himself in a professional manner. Additionally, he was our primary presenter at the SITE 2023 conference.

I am pleased to see the Mr. Richmond is continuing to develop himself in the field of Computer Science. He has demonstrated himself to be a skilled programmer, able to solve problems, and capable of working with others. I believe he would make a valuable employee in whatever field he applies himself.

Sincerely,

Jonathan Stubblefield
Assistant Professor

