ELI RICHMOND

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WORK EXPERIENCE

East Carolina University — Greenville, NC

Innovation Scout — 08/2025 – Present
- Conducting market analysis and stakeholder interviews to assess commercialization potential of faculty research projects, developing go/no-go frameworks and strategic milestones

Graduate Research Assistant — 05/2025 – Present
- Managing systematic literature review of 40+ sources on web-based AI agents, identifying novel thesis direction

Software & Data Analytics Research Fellow (NSF REU) — 05/2023 – 08/2023
- Designed and implemented a novel transformer tool-use AI model achieving improvement on math benchmarks
- Delivered weekly presentations to research committee, meeting project milestones under tight 10-week timeline
- Mentored 3 undergraduate researchers in deep learning techniques and software workflows

Arkansas State University — Jonesboro, AR

Software Engineer — 12/2021 – 04/2023
- Technical lead for a cross-functional team of 8 researchers (CS, education, linguistics) in developing AI-powered font optimization model for dyslexic readers
- Architected Django-PostgreSQL web application handling 1000+ user sessions and implementing CI/CD pipeline
- Presented research findings at 2 academic conferences, including the SITE 2023 conference proceedings (AACE)

870 Detailing — Jonesboro, AR

Founder & Operations Manager — 10/2019 – 09/2021
- Founded and scaled automotive detailing business to 100+ clients, generating several thousand dollars in annual revenue with 90% profit margins
- Implemented customer relationship management system and quality assurance processes, achieving 98% customer satisfaction rate

EDUCATION

M.S. in Computer Science | *East Carolina University* — Greenville, NC
G.P.A 4.0/4.0 — 05/2025 – Present

B.S. in Computer Science | *Arkansas State University* — Jonesboro, AR
Honors Program, G.P.A. 3.81/4.0 — 08/2021 – 08/2024

SKILLS

Languages/Databases: Python, C++, HTML/CSS/JS, TypeScript — PostgreSQL, SQLite, MySQL
Data Science: PyTorch, TensorFlow, NumPy, SciPy, Scikit-learn, Pandas, Hugging Face
DevOps/Continuous Integration: Unix, Git/Github, Conda, Docker, venv, WSGI, Tmux, Heroku, BSD
Web Development: Django, React, Next.js, Bootstrap

PROJECTS

AI-Powered CLI Changelog Generator from Version Control History | *Python, Greptile API*
Changelog Generator – Reducing manual documentation time by streamlining the release process
E-Commerce Website Development for Luxury Timepiece Brand | *Full-Stack Development, VPS*
Delta Timepieces – Managed a freelance project for a company that did $1,000,000 in sales last year
Decentralized Social Platform with IndieWeb Protocol Integration | *Django, SQLite*
Hacker Social – Led team of 4 students building this decentralized social web application

LEADERSHIP

ACM Social Chair | *Social events* | *300+ members*
Organize and host all of the social events for the ECU ACM organization
Pickleball Club VP of Operations | *Weekly open play* | *200+ members*
Organize and facilitate weekly open play sessions for local and ECU club pickleball communities