Noah James

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EDUCATION AND HONORS

Master's in Computer Science: Human-Centered Computing *Expected 2024*
University of Colorado Boulder
- GPA: 4.0 / 4.0

Bachelor of Science in Computer Science, Minor in Mathematics *Spring 2022*
University of Arkansas
- Graduated *Summa Cum Laude*, Awarded Full-Ride Honors College Fellowship, Perennial Chancellor's List
- National Merit Scholarship Recipient
- Honors College Research Grant (December 2019), Honors College Study Abroad Grant (January 2019)

TECHNICAL SKILLS

- Programming Languages: Python | C++ | C | C# | Javascript | SQL | HTML
- Tools and Libraries: PyTorch, Tensorflow, Git, Django, ReactJS, Bootstrap

EXPERIENCE

Full-Stack Software Engineering Consultant, *Riverside Digital Marketing***,** Tulsa, OK *2023 - Present*
- Managed deployment to Linux virtual private server for hosting Riverside Digital Marketing's website
- Developed backend template and REST API for modern blog website using Django and PostgreSQL
- Coordinated with frontend consultant to build ReactJS and Bootstrap frontend

Technology Solutions Consulting Intern, *Credera***,** Dallas, TX *Summer 2022*
- Delivered and tested C# backend and SQL database tickets to production for Microsoft Dynamics CRM system
- Excelled in Agile workflow environment on team of 15, completing on average 60% more story points per sprint than originally assigned
- Presented user stories directly to stakeholders and adjacent project teams at biweekly Sprint Reviews

Deep Learning Research Assistant, *University of Arkansas Artificial Intelligence Lab***,** Fayetteville, AR *2019 - 2022*
- Conducted deep learning research with focus on image processing and remote sensing
- Interviewed and enacted training on PyTorch for 4 new undergraduate research assistants

Deep Learning Research Intern, *Air Force Research Lab***,** Wright-Patterson Air Force Base, OH *Summer 2020*
- Implemented PyTorch machine learning algorithm for data translation of magnetic resonance and diffusion tensor images to predict neurodegenerative diseases
- Awarded best intern research presentation of combined undergraduate and graduate teams

Program Manager and Lead Programming Mentor, *Army Educational Outreach Program Unite***,** Fayetteville, AR *Summer 2020*
- Volunteered to teach Python programming to high school students in daily 3-hour lessons for 6 weeks
- Designed curriculum and lesson plans for full program, incorporating data science and machine learning topics throughout

ACADEMIC PROJECTS

Advanced Graphics Graduate Course Project, *University of Colorado Boulder* *Spring 2023*
- Created 3D terrain generation program based on marching cubes in OpenGL 4 with geometry shaders

Neural Networks and Deep Learning Graduate Course Project, *University of Colorado Boulder* *Fall 2022*
- Studied effects of data augmentation and neural network architecture choice on prediction of stress distributions in composite materials

Undergraduate Honors Thesis, *University of Arkansas* *Spring 2022*
- Investigated state-of-the-art foresight pruning methods for neural networks

Honors Physics Course Project, *University of Arkansas* *Fall 2018*
- Built functional 3D-printed solenoid motor operated by software on microcontroller