Title 
Research Scholar-Software Engineering

Institution 
The Fraunhofer USA Center Mid-Atlantic (CMA) focuses on Advanced Software and Systems Engineering. Located in Riverdale, Maryland, CMA drives critical thinking and software-enabled solutions for its customers in industry, government and academia. Affiliated with the University of Maryland, the Center conducts applied research aimed at designing and developing software-intensive systems that are safe, secure, tested and verified. Key focus areas include advanced AI applications for manufacturing, healthcare and life sciences, and supply chain illumination and management.

Position 
Industry’s challenges are our challenges. Our customers’ problems are our problems. As a Research Scholar at Fraunhofer USA CMA you will solve real problems while advancing the state of the art.

Responsibilities 
Your role will be to:
• Use your skills in AI, mathematics, statistics, and programming to analyze data and solve complex problems.
• Create and implement machine learning models, with a focus on deep learning and neural networks.
• Handle data manipulation, cleaning, synthetic data generation and visualization tasks.
• Utilize cloud platforms and MLOps techniques for deploying the solutions.
• Your work will primarily support industry-focused projects, with occasional involvement in other application domains.

Requirements 
We’re looking for people with a passion for data science, bringing:
• Minimum Master’s degree in Computer Science, Software Engineering or similar
• A strong foundation in mathematics and statistics.
• Proficiency in Python and another programming language (e.g. C++, Java, SQL).
• Basic knowledge of data manipulation, cleaning, and visualization.
• An understanding of machine learning algorithms, including deep learning and neural networks.
• Familiarity with at least one cloud computing platform (AWS, Azure, or GCP).
Experience or knowledge in the following areas would be considered a plus:

- Natural language processing, big data technologies, and time series analysis.
- Optimization techniques, data privacy and ethics, or experiment design.
- Familiarity with version control systems like Git and strong communication skills.

We value passion for learning, a drive for experimentation, and the ability to think outside the box. If you are excited to make a tangible impact in a dynamic and innovative environment, we would love to hear from you.

Application procedure (deadline etc.)

Interested? Apply online now. We look forward to getting to know you!

https://workforcenow.adp.com/mascr/default/mdf/recruitment/recruitment.html?cid=1a8f1b01-427e-4096-ba08-b2f86b8a9082&ccid=19000101_000001&jobid=448489&source=CC2&lang=en_US

Deadline December 31, 2023

Contact

**Veronica Hensler**  
E-Mail: [vhensler@fraunhofer.org](mailto:vhensler@fraunhofer.org)  
Phone +01 734-738-0559