

Oreofe Solarin

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EDUCATION

Case Western Reserve University	Cleveland, OH
<i>B.S. in Applied Mathematics and B.S. in Computer Science; GPA: 3.5</i>	<i>Aug. 2023 – May 2026</i>
<ul style="list-style-type: none">• CS Relevant Coursework: Computer Security, Compiler Design, Machine Learning, Algorithms• Math Relevant Coursework: Intro. Abstract Algebra, Linear Algebra, Graph Theory(Grad Level), Real Analysis	
University of Manchester	Manchester, England, United Kingdom
<i>Mathematics and Computer Science (Study Abroad)</i>	<i>Jan. 2025 – June 2025</i>
<ul style="list-style-type: none">• Machine Learning, Knowledge Based AI, Mathematical Systems and Computation, IoT	
The College of Wooster	Wooster, OH
<i>Mathematics and Computer Science (Transferred); GPA: 3.8</i>	<i>Aug. 2022 – May 2023</i>
<ul style="list-style-type: none">• Relevant Coursework: Data Structures and Algorithms, Combinatorics, Machine Intelligence	

PUBLICATIONS

An Empirical Study on Reproducible Packaging in Open-Source Ecosystems	ICSE 2025
<ul style="list-style-type: none">• Giacomo Benedetti, Oreofe Solarin, Courtney Miller, Greg Tystahl, William Enck, Christian Kästner, Alexandros Kapravelos, Alessio Merlo, Luca Verderame	
It's Not Just Timestamps: A Study on Docker Reproducibility. Oreofe Solarin.	Under Review
Quantitative analysis on dataset similarity in X-ray diffraction patterns: An information theory approach	
<ul style="list-style-type: none">• Ozan Dernek, Oreofe Solarin, Roger French. Manuscript under preparation for submission	

AWARDS & FUNDING

2025 CWRU URO STEM Summer Research Funding - \$4,000
Carolyn J. & John A. Massie CIT'66 Prize Research Travel Funding
ICSE '25 Student Mentoring Workshop

EXPERIENCE

Undergraduate Research Fellow	Aug. 2024 – Present
<i>SDLE Research Center, Case Western Reserve University</i>	<i>Cleveland, OH</i>
<ul style="list-style-type: none">• Conducting uncertainty analysis of XRD images using Information Entropy.	
Undergraduate Research Fellow (REU)	May 2023 – May 2025
<i>Carnegie Mellon University</i>	<i>Pittsburgh, PA</i>
<ul style="list-style-type: none">• '23 Advisor and PI: Prof. Christian Kästner, CMU• Conducted research on Reproducible Builds for Software Supply Chain Security (Accepted for ICSE 2025).• '24 Advisor and PI: Prof. Limin Jia, CMU• Investigated information flow security and developed proofs for non-interference in type systems.	
Software Engineer Intern	June 2025 – Aug. 2025
<i>Amazon, ShopBop SHOX Team</i>	<i>New York City, NY</i>
<ul style="list-style-type: none">• Built a production Price Slider UI component used across product-listing pages to improve the shopping experience.• Worked on improving and optimizing internal services to reduce year overhead costs.	
CSDS 132 Teaching Assistant: Intro to Java Programming	Aug. 2024 – Dec. 2024
<i>Case Western Reserve University</i>	<i>Cleveland, OH</i>
<ul style="list-style-type: none">• Assisted students with understanding object-oriented programming and Java concepts.	
Undergraduate Research Fellow	May 2023 – July 2023
<i>College of Wooster</i>	<i>Wooster, OH</i>
<ul style="list-style-type: none">• Worked as a student researcher on Graph Theory, focusing on the Cops and Robbers problem.	

ACTIVITIES

Risk Manager for CWRU Cycling Club: Lead Sprinter in CWRU Cycling Club, and conducting risk assessments for competitions and practices.
Open-Source Contributor: Maintaining and contributing open-source packages on GitHub, Pub.Dev, and NPMJS.