

James Owens

Computer Science and Game Studies Student

Contact

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Education

Old Dominion University
Norfolk, VA 23529
August 2020 – May 2024
(Expected)

Current GPA: 3.74/4.0

Relevant Coursework: Software Engineering, Database Concepts, Object Oriented Programming; Computer Architecture; Data Structures and Algorithms; Computational Methods; Operating Systems

Key Skills

Languages: Python, C++, Java, C#, C, SQL, Matlab

Tools: Git, Unity, Microsoft Office Access, Django REST Framework, LaTeX, Docker, Gradle, JUnit

IDEs: VS Code, PyCharm, Eclipse, Jupyter Lab

Operating Systems: Linux, Windows

Outreach

Meal Preparer, Judeo-Christian Outreach Center, Virginia Beach, VA, 2022

Event Aide, Trick or Research, Norfolk, VA, 2022

Server, The Center, Norfolk, VA, 2023

Objective

Seeking an internship related to machine learning, artificial intelligence, or any other computer science area.

Experience

September 2021 - Present

Undergraduate Research Assistant • Department of Computer Science, Old Dominion University. • Worked with a team of graduate students and faculty to predict cognitive load from eye tracking metrics using machine learning methods. Presented the research at an undergraduate research symposium. Advisor: Sampath Jayarathna | sampath@cs.odu.edu | (757)683-7787

May 2022 – July 2022 & May 2023 – July 2023

Pauley Heart Center Undergraduate Research Fellowship • Worked with a mentor to develop machine learning models to predict heart failure risk in chemotherapy patients using cardio-oncology data and presented the research for the fellowship. Advisor: Yaorong Ge | yge@uncc.edu | (704)687-1951

Publications

- James Owens, Gavindya Jayawardena, Yasasi Abeysinghe, Vikas G. Ashok, and Sampath Jayarathna, "Objective Measure of Working Memory Capacity via Advance Gaze Measures", Old Dominion University Undergraduate Research Symposium, 2022. (<https://digitalcommons.odu.edu/undergradsymposium/2022/posters/22>)

Awards and Honors

- Dean's List, Old Dominion University
- National Society of Collegiate Scholars, Member
- Intern Readiness Certificate, National Society of High School Scholars
- National Youth Leadership Forum: Medicine, Participant (2018)

Projects

Objective Measure of Working Memory Capacity via Gaze Measures

- Using machine learning methods to predict NASA-TLX scores from advanced gaze measures.
- Tools: Python, Scikit-Learn, Pandas, GitHub

LowCalChow Web App Prototype

- Team software project
- Tools Used: VS Code, Git, Django REST Framework, Docker, MySQL Workbench, Insomnia