

William Westerkamp

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EDUCATION

James Madison University (JMU), Harrisonburg, Virginia
Bachelors of Science
Major: Computer Science
Minor: Mathematics

May 2025

STUDY ABROAD

Full-Stack Web Developer, MacroActive, Auckland, New Zealand June 2022 – August 2022

- Worked as a full stack developer using React, Typescript, Node.js, REST API, and Docker
- Developed features for registration, log-in and profile creation
- Worked on a team of 4 and under a mentor
- Learned to adjust to a different culture and workplace environment

WORK EXPERIENCE

IT intern/Software Development Intern, Oakton, Virginia May 2023- August 2023

- Moodle custom theme/plugin development using PHP, JavaScript, and MySQL to implement desired features.
- Proficiently administered Apache servers for effective management of LMS infrastructure, optimizing performance and ensuring smooth operation.
- Agile design process with weekly meetings and design discussions.

Research Intern, JMU Machine Learning, Harrisonburg, Virginia August 2022 - Present

- Developing an automated horizontal gaze nystagmus(HGN) test to prevent drunk driving
- Working in a team of three and under a professor
- Utilizing OpenFace Toolkit, YOLO real time object detection, and PyGame

Data Assistant, JMU Graduate School Data Entry, Harrisonburg, Virginia August 2021-Present

- Manage the graduates school excel files and databases
- Work on social media projects and contribute on other team projects around the office when needed
- Use organizational skills to meet weekly deadlines

CAMPUS INVOLVEMENT

Executive Member, JMU Skateboarding Club, Harrisonburg, VA August 2021-Present

- Lead the club by planning monthly trips to skateparks, weekly events, monthly fundraisers, and monthly community service events.

RELEVANT COURSEWORK, PROJECTS, AND SKILLS

Courses : Data Structures and Algorithms, Object-Oriented Software Design, Software Engineering

Projects: IMDb desktop application using IMDb's API and Java

Skills : Java, C#, React, TypeScript, Express, Node, JavaScript, GIT, Docker, Passport, REST, Python