

RILEY MAYR

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EXPERIENCE

FALL 2021 – SPRING 2022

GRADUATE RESEARCH FELLOW, UNIVERSITY OF CINCINNATI DIGITAL FUTURES INITIATIVE

Working alongside Dr. Michael Riley in the Human Performance Lab to conduct research improving the understanding of how to enhance physiological and physiological performance

FALL 2018 – SPRING 2021

INSTRUCTOR OF RECORD, UNIVERSITY OF CINCINNATI PSYCHOLOGY DEPT.

Research Methods in Human Factors – Created a curriculum for a senior capstone course and refined it over time. Led and developed ideas with students while they learned Human Factors concepts, created experiment ideas, conducted experiments, analyzed the collected data, and wrote up the entire project as an APA style journal article

FALL 2016 – SPRING 2018

TEACHING ASSISTANT, UNIVERSITY OF CINCINNATI PSYCHOLOGY DEPT.

Research Methods in Human Factors – Worked alongside the Instructor of Record to guide students through the process of creating and conducting an experiment. I was also responsible for grading assignments and giving feedback on students' writing submissions

FALL 2016 – SUMMER 2022

LAB MANAGER, EMBODIED INTERACTIVE SYSTEMS LAB

Manage the purchasing recommendation and maintenance of equipment in Dr. Tamara Lorenz' EIS lab. This equipment ranges from robotic arms, to virtual reality HMDs and lab computers. All students in the lab come to me when they encounter issues with the equipment and I solve them

JULY 2015 – MAY 2016

LEAD MANUFACTURER AND INSTALLER, SIGNS BY DESIGN

Developed creative solutions to manufacture and hang signs ranging from small interior signs to large exterior signs. I led the installation team on job sites and worked with the client to ensure their satisfaction

EDUCATION

EXPECTED SPRING 2022

PHD EXPERIMENTAL PSYCHOLOGY, UNIVERSITY OF CINCINNATI

Focus in Human Factors with an emphasis in Human-Machine Interaction

2019

M.A. EXPERIMENTAL PSYCHOLOGY, UNIVERSITY OF CINCINNATI

Focus in Human Factors with an emphasis in Joint Action between humans

Thesis project investigated the changes in effort during rhythmically coordinated teamwork

2016

B.S. COGNITIVE SCIENCE AND PHILOSOPHY, UNIVERSITY OF EVANSVILLE

Double Majored in Cognitive Science, focusing in Computer Science, and Philosophy with minors in Psychology and Neuroscience

ACHIEVEMENTS

AWARDS

- Digital Futures Graduate Research Fellow
 - Funded for the 2021-2022 academic year by the University of Cincinnati's Office of Research, chosen by Dr. Michael Riley to start building his lab and creating research projects that will be built upon in future years
- University of Cincinnati University Research Council Graduate Student Research Grant
 - \$6,000 funding received to conduct a research project examining the physiological changes that occur during a human-robot joint sawing task. Emphasis was placed on reducing the human's energy expenditure

EAGLE SCOUT

Led a group of 20 scouts and adults over 180 man-hours to build and install park benches. I also served as the Troop Guide and Senior Patrol Leader throughout my time as a Boy Scout

SKILLS

- Experimental Design
- Programming (C#, C++, MATLAB, R, Python)
- Game Design & XR (Unity3D)
- CAD Design (Fusion360)
- Usability Testing (Motion Capture, Eye Tracking, Data Visualization)
- Graphic Design (Adobe Illustrator & Photoshop)
- Technological Integration (combining systems that were not built to work together)
- Finding creative solutions to difficult problems
- Data Analysis (Linear and Nonlinear Methods)
- Excellent Communication skills in all production languages (Engineering, Designers, Marketing, Maintenance, Customer, Assembler)

ACTIVITIES

- At Home Hobby Projects
 - I enjoy creating hobby electronic solutions to life's minor problems, as well as managing my home server to learn networking, Docker, and other IT skills
- Mechanical and Machining Work
 - I love going out to the garage to turn wrenches on whatever is laying on my bench or up on the jacks. Machining and welding new parts to fix issues and make improvements is very satisfying
- Woodworking and General Construction
 - These activities often require thinking outside the box and implementing creative solutions
- Hiking and Fishing
 - As an avid outdoorsman, I enjoy getting out and enjoying the fresh air. These breaks give me a chance to sort through the different projects in my mind and generate solutions