# Curriculum Vitae
*Connor Esterwood - 11/12/20 -*

## Academic Degrees:

**BA -** International Relations - University of North Carolina, Asheville - 2013
**MS -** Information Science - University of Tennessee, Knoxville - 2018
**Ph.D. -** School of Information - University of Michigan, Ann Arbor - 2024

## Relevant Experience:

### Ph.D. Pre-Candidate School of Information
**UNIVERSITY OF MICHIGAN - ANN ARBOR, MI**

Working on pre-candidacy work related to human-robot teaming and team design for improved productivity, wellbeing, and sustainability. The study is currently is developed and the infrastructure for its execution is close to completion with the target date of academic year of 2020/2021.

### ARC-CAVE Research Assistant
**DEPT. OF ENGINEERING - UNIVERSITY OF MICHIGAN - ANN ARBOR, MI**

Starting in August of 2020 I joined a team of engineers at the University of Michigan's automotive research center with the goal of integrating human subjects into an autonomous driving simulation platform. This platform was original built as an HiL simulator and is now being expanded for the inclusion of a human subjects branch. I personally worked on integrating VR eye tracking metrics in the Unreal Engine as well as GSR+ via the Shimmer sensor development kit.

### ARC Research Assistant
**SCHOOL OF INFORMATION & DEPT. OF ENGINEERING - UNIVERSITY OF MICHIGAN - ANN ARBOR, MI**

Worked on independent research related to autonomous vehicles while focusing on the design and development of a next-generation "hardware-in-the-loop" simulator for testing autonomous vehicle algorithms and decision-making software. This simulation was in collaboration with the automotive research center (ARC) at UMICH.

### Academic Affiliate
**SCHOOL OF INFORMATION & DEPT. OF ENGINEERING - UNIVERSITY OF MICHIGAN - ANN ARBOR, MI**

Worked as a member of the MAVRIC lab to explore the potential of autonomous ground systems for civilian and military applications. I specifically investigated the role of risk, trust, and error type in determining soldier performance on a non-driving secondary task.

## Masters Student Research Experience (REMS) Participant
**SCHOOL OF INFORMATION - UNIVERSITY OF MICHIGAN - ANN ARBOR, MI**

Assisted in the cutting edge AV research at the University of Michigan as well as conducted independent research leading to the production of an academic poster and presentation on motivation and autonomous vehicle use.

## UX Intern
**DOE - OFFICE OF SCIENTIFIC AND TECHNICAL INFORMATION - OAK RIDGE, TN**

I worked with the UX professional embedded at OSTI to test, refine, and lead projects that improve upon exiting government systems and intranets within the Oak Ridge National Laboratory.

## UX Intern
**DOE - OAK RIDGE NATIONAL LABORATORY - OAK RIDGE, TN**

Worked on the technical team at the Spallation Neutron Source for the Neutron Sciences Directorate. I primarily conducted user experience research on the internal proposal system, the website, and the research process at the NScD as a whole.

## Graduate UX Researcher
**UNIVERSITY OF TENNESSEE - KNOXVILLE, TN**

Conducted research and assisted in the fulfillment of an IMLS grant focused around library assessment and user experience. I also worked with a team of engineers at the university to investigate the impact of an individual's self-perception on brain-computer interface performance.

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# Honors and Awards:

## REMS Fellowship
**UNIVERSITY OF MICHIGAN, ANN ARBOR**

I was awarded a place in a cohort of masters students and recent graduates that provided me a unique summer research experience program. This award took the part of a fellowship with a faculty member and a 3-month stipend.

## UTK UX Cohort Award
**UNIVERSITY OF TENNESSEE, KNOXVILLE**

I was accepted into a specialized educational program at the University of Tennessee that focused on user experience and assessment of information service providers including but not limited to libraries and government laboratories. This program ensured funding for a full 2 years master's program.

## Student Org President of the Year
**UNC, ASHEVILLE**

Serving as the president of Overlook Hall Student Council, I was honored with the title of student organization president of the year for service towards and support of the University's vision and values.

## Journal Papers

Azevedo-Sa, H., Jayaraman, S., **Esterwood, C.,** Yang, X. J., Robert, L. P. and Tilbury, D. (2020). Real-Time Estimation of Drivers' Trust in Automated Driving Systems, International Journal of Social Robotics.

Robert Jr, L. P., Alahmad, R., **Esterwood, C.,** Kim, S., You, S., & Zhang, Q. (2020). A Review of Personality in Human–Robot Interactions. Foundations and Trends® in Information Systems, 4(2), 107-212. ~~ **Top 10 SSRN Download List April 2020** ~~

Abiri, R., Borhani, S., Kilmarx, J., **Esterwood, C.,** Zhao, X. Jiang, Y. (2020) Towards a User-Centered framework: A Statistical Approach on EEG-Based Computer Cursor Control Using Imagined Body Kinematics Paradigm. IEEE Transactions on Human Machine Systems.

## Conference Publications

**Esterwood, C.** and Robert, L. P. (2020). Personality in Healthcare Human Robot Interaction (H-HRI): A Literature Review and Brief Critique. In Proceedings of the 8th International Conference on Human-Agent Interaction (HAI '20), November 10–13, 2020, Virtual Event, NSW, Australia.

**Esterwood, C.** and Robert, L. P. (2020). Human Robot Team Design, Proceedings of the 8th International Conference on Human-Agent Interaction, November 10-13, Sydney, Australia. https://doi.org/10.1145/3406499.3418751

Azevedo-Sa, H., Jayaraman, S., **Esterwood, C.,** Yang, X.J. and Robert, L. P. and Dawn M. Tilbury. 2020. Comparing the Effects of False Alarms and Misses on Humans' Trust in (Semi)Autonomous Vehicles. In Companion of the 2020 ACM/IEEE International Conference on Human-Robot Interaction (HRI 2020), March 23 26, 2020, Cambridge, United Kingdom. ACM, New York, NY, USA.

Zhang, Qiaoning, **Esterwood, Connor**, Yang, X. Jessie, & RobertJr, Lionel P. (2019). An Automated Vehicle (AV) like Me? The Impact of Personality Similarities and Differences between Humans and AVs. Association for the Advancement of Artificial Intelligence 2019 Symposium

Zhao, H., Azevedo-Sa, H., **Esterwood, C.,** Yang, X. J., Robert, L., & Tilbury, D. (2019). Error Type, Risk, Performance, and Trust: Investigating the Different Impacts of false alarms and misses on Trust and Performance. Ground Vehicle Systems Engineering and Technology Symposium. 2019.