

Christopher Flathmann

Curriculum Vitae

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Education

- 2019–Present **PhD, Human Centered Computing**, *Clemson University, Clemson, South Carolina.*
2018 **BS Computer Science**, *GPA: 3.89, Clemson University, Clemson, South Carolina.*

Work Experience

- 2019–Present **Clemson University** Graduate Research Assistant, **Team Research Analytics in Computational Environments (TRACE)**. Researching how to build AI agents to interact with humans and other AI in collaborative environments.
2018 **Clemson University** Undergraduate Research Assistant, **Data Intensive Computing Ecosystems Lab**. Researched the affects of latency on high performance computing clusters in commercial cloud environments
2018 **Amazon** Software Development Engineer Intern, Financial Technology
2017 **Clemson University** Undergraduate Teaching Assistant, Algorithms and Data Structures
2017 **Michelin** Software Development Engineer Intern, Research and Development

Funding and Awards

- 2019 NSF **Technology-Human Integrated Knowledge Education and Research** Fellow
2017 Dupont Undergraduate Project of the Year: Smart Aiding Application for Travel Safety

Research Interests

Artificial Intelligence, Ethical Design of AI, Swarm Intelligence, Artificial Population Simulation, Human-AI Teamwork, AI-AI Teamwork, Collaborative Technology, Human Computer Interaction, Human Centered Design

Publications

Conference Papers

- [C.3] **Flathmann, C.**, McNeese, N., & Barberis Canonico, L. (Accepted). Using Human-Agent Teams to Purposefully Design Multi-Agent Systems. *2019 Annual Meeting of Human Factors and Ergonomics Society*. Seattle, WA. Sage CA: Los Angeles, CA: SAGE Publications.
[C.2] Barberis Canonico, L., McNeese, N., & **Flathmann, C.** (Accepted). Collectively Intelligent Teams: Integrating Team Cognition, Collective Intelligence, and AI for Future Teaming. *2019 Annual Meeting of Human Factors and Ergonomics Society*. Seattle, WA. Sage CA: Los Angeles, CA: SAGE Publications

- [C.1] Barberis Canonico, L., McNeese, N., & **Flathmann, C.** (Accepted). The Wisdom of the Market: Using Human Factors to Design Prediction Markets for Collective Intelligence. *2019 Annual Meeting of Human Factors and Ergonomics Society*. Seattle, WA. Sage CA: Los Angeles, CA: SAGE Publications.

Research Posters

- [P.1] Flathmann, C., Schelble, B., & McNeese, N. (2019) Creating Human-Oriented Multi-Agent Teams. *Insights @ BMW Manufacturing Co. LLC*. 12 September 2019