

# Christopher Flathmann

## Curriculum Vitae

(864) 630 3075  
✉ cflathm@g.clemson.edu  
🌐 chrisflathmann.com

### 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.1] **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. Seattle, WA. Sage CA: Los Angeles, CA: SAGE Publications  
[C.3] 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