

# Michael Joseph Ellis

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## PERSONAL SUMMARY

Current first-year undergrad at Clemson fascinated with the convergence of machine learning and cognitive psychology. I actively seek research in both fields to deepen my understanding of the two subjects' intricacies.

## EDUCATION

**Bachelor of Science, Computer Science**  
Clemson University, Clemson

**2023 – Current**

**Bachelor of Science, Psychology**  
Clemson University, Clemson

**2024 – Current**

**Minor in Mathematical Sciences**  
Clemson University, Clemson

**2024 – Current**

## EXPERIENCE

**Machine Learning and Big Data (MLBD) Creative Inquiry**  
Clemson University, Clemson

**2023 - Current**

- Collaborated with peers to design and implement machine learning solutions for real-world big data challenges, leveraging techniques such as data processing, feature engineering, and model optimization.
- Conducted research into intersections of computer architecture, high-performance computing, and machine learning to develop innovative approaches for handling large-scale datasets.
- Applied theoretical knowledge in machine learning to practical projects, including large language models, computer vision, and predictive analytics, fostering a deeper understanding of real-world applications.

**19<sup>th</sup> Annual Focus on Creative Inquiry and Clemson Student Research Event**  
Clemson University, Clemson

**April 2024**

- Presented MLBD CI Project Poster on a personal reinforcement learning project to share findings with peers and faculty on campus.

**Clemson Summer REU Program for MLBD CI**  
Clemson University, Clemson

**May 2024 – July 2024**

- Perform research at an undergraduate level as experience for future work/projects.
- Work with a team of peers under mentors guiding the given projects.

**Clemson Psychology Research System SONA Participant**  
Clemson University, Clemson

**May 2024 – July 2024**

- Research participation/experience for graduate students doing research and dissertation studies.

## SKILLS

Time Management | Communication | Organized | Taking Initiative | Research | Adaptability

## RESEARCH/ACADEMIC PROJECTS & PRESENTATIONS

\*Ellis, M., Smith, M., Faykus, M., Pickeral, A. (2024, April). Snake Game AI. Poster presentation at the 7th Annual Clemson University Student Research Forum, Clemson, SC.