

Dylan Cathapermal

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EDUCATION

Clemson University *Clemson, SC* AUG 2017 - PRESENT
B.S Computer Science, Minor Mathematics
Expected Graduation Term: Spring 2021
GPA: 3.70/4.00 (Major GPA: 4.00/4.00)

Thomas Jefferson High School for Science and Technology *Alexandria, VA* SEP 2013 - JUN 2017

SKILLS

Languages: C; C++; Python; JavaScript; HTML; Ginja
Frameworks & Libraries: Django; React; TensorFlow
Technologies: Git; Elastic Beanstalk; Docker; Slack; Trello; WSL; Ubuntu; Unix/Linux

Relevant Coursework

Data Structures and Algorithms	Computer Organization
Linear Algebra	Differential Equations

EXPERIENCE

TRACE Research Group *Clemson, SC* JUL 2019 – PRESENT
=== **Implementing Ethical Frameworks in Artificial Intelligence**
Implementing ethics into artificial intelligence decisions using **Tensor Force**

=== **Web Development Summer Program**
Creating and accessing REST API's & Communicating with Front-End using **Django & React**
Projects: Stock Watchlist, Resume Constructor, PlayForm App
<https://github.com/dcathapermal/Trace-Camp>

SAIC *Lexington Park, MD* JUN 2018 - JAN 2019
=== **Model Based Systems Engineer Intern**
Interim Clearance
Testing latency and load time of NAVAIR's cloud network. Uses **SysML**

Clemson University RiSE *Clemson, SC* AUG 2018 - MAY 2019
=== **RiSE Tutor**
RiSE Living Learning Community Tutor (Computer Science & Calculus)
8 Hours per week, part-time employee

PROJECTS

PlayForm AUG 2019 - PRESENT
Creating & launching an application allowing users to source (and play) music from multiple platforms into unified playlists. Built with **React** and **Django**

ACTIVITIES & ACHIEVEMENTS

TRACE Research Group (Team Research Analytics in Computational Environments) AUG 2019 - Present
Undergraduate researcher recruited by lab director, Nathan McNeese (PhD).
TRACE lab publishes work surrounding understanding the relationship of team cognition, human-ai teams, and ai-ai teams.

Clemson Club Swimming AUG 2017 – PRESENT