

ALEX DAY

Grove City, PA · aday@clermson.edu · (724) 841 2634 · <https://www.alexday.me>

EDUCATION

Clemson University Clemson, SC
Ph.D. Computer Science (*GPA: 4.0/4.0*) September 2020

Clarion University of Pennsylvania Clarion, PA
B.S. Computer Science (*cum laude*) August 2016 - December 2019

SKILLS

Programming Languages: Python, C/C++, POSIX Scripting, Java, C#
Technologies: Linux, Git, ROS, L^AT_EX, Tableau, SQL

EXPERIENCE

Clemson University Clemson, SC
Graduate Research Assistant September 2020 -

- Working with Dr. Ioannis Karamouzas on learning multi-robot navigation from human data
- Developing a pipeline for efficient quantitative evaluation and visualization of collision avoidance techniques

Clemson University Clemson, SC
Lead Graduate Teaching Assistant September 2020 -

- Assist faculty members with instruction using remote learning technologies
- Lead two lab sections of 30 students to reinforce new software development techniques

Carnegie Robotics LLC Pittsburgh, PA
Software Engineering Intern May 2021 - August 2021

- Created methods for and validated time synchronization between sensors
- Developed new drivers and added diagnostics for a large ROS-based robotic platform
- Designed and trained neural network based steering controllers

JGMS Inc. Grand Rapids, CO
Data Scientist (R&D) May 2020 - September 2020

- Designed neural networks for massive document classification and bid prediction with Keras in Python
- Developed REST API using Flask to expose an endpoint for document summarization and classification
- Conducted market research to determine market gaps for future projects

PROJECTS

English to Emoji Translation *Python, NLTK, spaCy*

- Devised novel algorithm for translating sentences into emoji counterparts for information compression
- Created a new sentence splitting algorithm based on part-of-speech and dependency relations
- Published in PACISE 2020 and awarded best undergraduate paper

LEADERSHIP AND INVOLVEMENT

Clemson University Graduate Student Government Clemson, SC
January 2020

Senator – Computer Science Department January 2021 - May 2021
Webmaster May 2021 -

Clemson University Intellectual Property Committee Clemson, SC
Graduate School Representative January 2021 -

Association of Information Technology Professionals Clarion, PA
August 2016 - December 2019

President August 2018 - May 2019
Vice President August 2017 - May 2018

AWARDS

PACISE 2020 Best Undergraduate Student Paper January 2021

Clarion University CS Dept. Student of the Month December 2019

Clarion University Deans List Fall 2018, Spring 2019