

ALEX DAY

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EDUCATION

Clemson University
Ph.D. Computer Science (*GPA: 4.0/4.0*)

Clemson, SC
September 2020

Clarion University of Pennsylvania
B.S. Computer Science (*cum laude*)

Clarion, PA
August 2016 - December 2019

SKILLS

Programming Languages: Python, C/C++, Java, C#, HTML/JavaScript/CSS
Technologies: Linux, Git, L^AT_EX, Tableau, Robot Operating System/Gazebo, SQL

EXPERIENCE

Clemson University
Graduate Research Assistant

Clemson, SC
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
Lead Graduate Teaching Assistant

Clemson, SC
September 2020

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

JGMS Inc.
Data Scientist (R&D)

Grand Rapids, CO
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

University of Arizona
CAT Vehicle Research Assistant (REU)

Tucson, AZ
May 2019 - August 2019

- Created a domain specific language to create autonomous vehicle paths with 3 other students
- Developed a verification server in Flask that proved the safety of a given path
- Extensively tested the language and verification in both simulation and on hardware

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
Senator – Computer Science Department

Clemson, SC
January 2020

Clemson University Intellectual Property Committee
Graduate School Representative

Clemson, SC
January 2020

College of Business and Information Science Advisory Board
Member – Computer Science Department

Clarion, PA
January 2019 - December 2019

Association of Information Technology Professionals
August 2016 - December 2019
President
Vice President

Clarion, PA
August 2018 - May 2019
August 2017 - May 2018

AWARDS

PACISE 2020 Best Undergraduate Student Paper
Clarion University CS Dept. Student of the Month
Clarion University Deans List

January 2021
December 2019
Fall 2018, Spring 2019