

University of Maryland, College Park
B.S. Computer Science, B.S. Mathematics. GPA 3.89

Expected May 2021
College Park, MD

RESEARCH EXPERIENCE

REU-CAAR: Ongoing Project 2020

Advised by John Dickerson, UMD

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EPFL Internship: Ongoing Project 2020

Advised by Robert West and Andreas Spitz, EPFL

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Evaluating a Bi-LSTM Model for Metaphor Detection in TOEFL Essays 2020

Advised by Marine Carpuat, UMD

Participated in The Second Shared Task on Metaphor Detection; achieved an F1 score of 0.6~0.7 across all four tasks (identifying metaphoricity at a word level).

Presented poster at ACL 2020, FigLang Workshop.

Implementing the “Enhancing Music Notation Addressability” API for MusicXML 2020

Advised by Raffaella Vigilanti, UMD

Worked on the Enhancing Music Notation Addressability (EMA) API; wrote Python scripts to parse MusicXML files and convert API request paths into MusicXML subselections.

Presented poster at Music Encoding Conference 2020.

Team AIMAR (Artificially Intelligent Medical Assistant Robot) 2017-21

Advised by Anil Deane, UMD

Prototyped a robot capable of autonomous navigation, medical data analysis, and patient interaction in a hospital setting. Integrated several software components (Flask, Robot OS, Mycroft.ai, Keras, SQLite) with a physical robotic system.

OTHER EXPERIENCE

Accepted (2-3%) to **Summer@EPFL**. Program cancelled due to COVID-19 pandemic. **2020**

SDE Intern (Amazon Web Services, Herndon, VA) 2019

Worked on CloudFront Signer, a web service that limits access of public AWS CloudFront domains to authorized Amazon identities. Presented product to developers and managers across 3 AWS Security teams.

Teaching Assistant 2018-19

Held office hours, taught discussion sections, and graded assignments for:

- CMSC216: C, UNIX, and Assembly.
- CMSC132: Java and Object-Oriented Programming.

Junior Officer (UMCP Taiwanese American Student Assn.) 2018-19

Worked with TASA board members to organize and facilitate cultural events.