

Marlan McInnes-Taylor

MASTER'S CANDIDATE · ASPIRING AI RESEARCHER

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Education

The University of Texas at Austin

M.S. COMPUTER SCIENCE

- Minor: Neuroscience

Austin, Texas, USA

2021 - exp. 2023

Florida State University

B.S. COMPUTER SCIENCE

- Magna Cum Laude
- With Honors
- Minor: Physics

Tallahassee, Florida, USA

2016 - 2021

Florida State University

B.S. APPLIED & COMPUTATIONAL MATHEMATICS

- Minor: Statistics

Tallahassee, Florida, USA

2016 - 2021

University of Florida

B.A. PHILOSOPHY

Gainesville, Florida, USA

2006 - 2009

Research Experience

FSU USER Lab

UNDERGRADUATE RESEARCH ASSISTANT

- Topic: Automating Software Traceability Link Recovery and Maintenance using Word Embeddings within a Shallow Neural Network
- Advisor: Dr. Chris Mills

Florida State University

January 2020 - April 2021

Honors in the Major Program

UNDERGRADUATE THESIS

- Topic: Skin Cancer Detection and Classification using an Artificial Neural Network
- Advisor: Dr. Sonia Haiduc

Florida State University

August 2019 - July 2020

Honors & Awards

AWARDS

2019 **Undergraduate Leadership Award**, Florida State University Department of Computer Science

HONOR SOCIETIES

2021 **Phi Beta Kappa**, Alpha of Florida Chapter

2019 **Phi Kappa Phi**, Florida State University Chapter

2018 **Upsilon Pi Epsilon**, Florida State University Chapter

Presentations

Undergraduate Research Symposium

PRESENTER

- Discussed research performed with FSU USER Lab

Florida State University

April 2021

Florida Undergraduate Research Conference

PRESENTER

- Discussed research performed with FSU USER Lab

Florida State University

February 2021

Undergraduate Research Symposium

PRESENTER

- Discussed research performed for Undergraduate Thesis

Florida State University

April 2020

Teaching Experience

CGS 2100 Microcomputer Applications for Business and Economics

UNDERGRADUATE TEACHING ASSISTANT

- Instructors: Dr. Randolph Langley, Mrs. Melina Myers

Florida State University
Spring 2018, Fall 2020, Spring 2021

COP 3014 Programming I for Nonmajors

UNDERGRADUATE TEACHING ASSISTANT

- Instructor: Mrs. Melina Myers

Florida State University
Fall 2018 - Fall 2019

COP 3363 Programming I for Majors

UNDERGRADUATE TEACHING ASSISTANT

- Instructor: Mrs. Melina Myers

Florida State University
Spring 2020

Industry Experience

i2x Solutions

APPLICATION ENGINEER

- Summer internship transitioned into part time position
- Worked on updating and optimizing the object detection model and input/output pipeline of a multiplatform Xamarin golf putting application.

Tallahassee, Florida, USA
June 2021 - Present

Northeast Florida Regional Council

INFORMATION TECHNOLOGY CONTRACTOR

Jacksonville, Florida, USA
2012 - 2016

Projects

ACM at FSU Programming Contest Suite

LEAD DEVELOPER

- Django and DOMJudge web application to manage and judge semesterly ACM ICPC style contests.

February 2020-Present

Skin Cancer Classifier

DEVELOPER

- Flask web application to perform skin cancer image classification using the Inceptionv3 CNN architecture.

January 2020 - July 2020

DungeonPy

CO-DEVELOPER

- Python Programming student project. Pygame implementation of a simple 2D RPG.

June 2019 - August 2019

ACM at FSU Programming Contest Suite - CEN4020

CO-DEVELOPER

- Software Engineering I student project. Django web application to register contestants of semesterly ACM ICPC style contests.

March 2019 - April 2019

Leadership & Service

Association for Computing Machinery - Florida State University Chapter

PRESIDENT EMERITUS

- Webmaster 2020-2021
- President 2019-2020
- Treasurer 2018-2019
- Social Chair 2017-2018
- Member 2016-2021

Tallahassee, Florida, USA
August 2016 - April 2021

ACM at FSU Programming Contest

QUESTION WRITER

Florida State University
2018 - 2021

Skills

- Programming** Python (Tensorflow, Keras), C/C++
Tools Docker, Jupyter Lab, LaTeX, Visual Studio Code
Web Django, Bootstrap, Jinja2