

Andrea Martin

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EDUCATION

UNIV. OF WEST FLORIDA

PH.D. IN INTELLIGENT SYSTEMS &
ROBOTICS

Graduation: May 2022

GPA: 3.765

UNIV. OF NEW ORLEANS

B.S. IN ELECTRICAL ENGINEERING
B.S. IN PSYCHOLOGY

Conc. in Computer Engineering

Minor in Mathematics

GPA: 3.497

COURSEWORK

GRADUATE

Algorithms

Artificial Intelligence

Machine Learning

Multi-Agent Systems

Information Theory

Distributed Systems

Marketing

Digital Marketing

MKTG Research and Analytics

UNDERGRADUATE

Data Structures

Digital Systems Design

Experimental Design and
methodology

Learning Psychology

SKILLS

PROGRAMMING

• Python(Pandas, Numpy, SciKit-Learn,
Matplotlib, NLTK, Keras, Tensorflow)

• Java • C • Xcode • HTML • CSS

Familiar:

• JavaScript • C++ • Assembly • Scala

TOOLS

• LaTeX • Git • GitHub • WordPress

• Anaconda • Firebase • Apache Spark

INFO MANAGEMENT:

• SQL • Word • Excel • PowerPoint

LANGUAGES

• English • Spanish • French

RESEARCH

UWF | GRADUATE RESEARCH ASSISTANT

Jan 2019 – Present | Pensacola, FL

Advisors: **Brent Venable** and **Nick Mattei**

- Designed a model that describes and explores the connection between how people make choices, the process of matching and the notion of stability and fairness, in uncertain Stable Marriage Problems.

TULANE UNIVERSITY | RESEARCH ASSISTANT

Jan 2016 – Dec 2018 | New Orleans, LA

Advisor: **Brent Venable**

- Designed an algorithm that predicts peoples preferences and determines decision making over combinatorially-structured domains merging AI techniques and psychological theories.
- Designed behavioral and psychological experiments and surveys to test different computational decision making models and their properties.

EXPERIENCE

LINKEDIN | MACHINE LEARNING ENGINEER INTERN

Jun 2021 – Sept 2021 | Remote

Implemented a DL model to find near duplicate jobs to improve recruiter search recommendations.

Jun 2020 – Sept 2020 | Remote

Implemented a sequence prediction model to generate personalized learning paths. Achieved 48% accuracy over 8k different labels.

- Worked on LinkedIn massive semi-structured text, graph and user activity data sets.
- Built highly scalable and highly performant platforms for recommendation.
- Applied and utilize data analytics, data mining, information retrieval, machine learning and perfected my strong systems orientation skills.

ALLSTATE | MACHINE LEARNING ENGINEER INTERN

Jun 2019 – Sept 2019 | Dallas, TX

Implemented a multi-label classifier that predicted emotions over 6 hours of audio files and implemented a method to map any emotion to a three-dimensional scale.

- Used best practices to develop statistical, machine learning techniques to build models that address business needs.
- Worked on data and business problems to drive improved business results.
- Deployed models using web services.

PEP! LLC | Co-FOUNDER/CTO

Aug 2018 – Jun 2019 | New Orleans, LA

The PEP! mobile app is an educational platform and kid safe social network that encourages kids to interact with their pets through content, reminders, challenges, rewards, and leaderboards.

- Responsible for building, designing and testing the Beta Version of the PEP! mobile app (300 users).
- Responsible for hiring and managing designers and software developers.
- Implemented and wrote business plan, security policy and terms of conditions.

PUBLICATIONS

- 2019 Published at Behavioral EC 2019 Poster
- 2018 Published at AAAI 2018 Conference
- 2018 Published at IJCAI 2018 Workshop