

Andrea Martin

<http://andreamartinh.com>
anmartin1212@gmail.com |(504)9750064

EDUCATION

UNIV. OF WEST FLORIDA

COMPUTER SCIENCE
Conc. in AI and Marketing
Graduation: May 2021
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

TOOLS

• ~~LaTeX~~ • Git
• GitHub
• WordPress
• Anaconda
• Firebase

INFO MANAGEMENT:

• Word
• Excel
• PowerPoint

LANGUAGES

• English
• Spanish
• French

RESEARCH

IHMC | RESEARCH ASSOCIATE

Jan 2019 – Present | Pensacola, FL
Advisors: **Brent Venable** and **Parisa Kordjamshidi**

Currently contributing in designing a prototype for a novel declarative learning-based programming system that will bridge the gap between domain knowledge and learning-based programs.

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.

Advisor: **Joon Ro**

Studied the behavior of online communities by analyzing the quality of interaction between users. We determined how those interactions can impact the future contribution and participation of said users.

- Used different machine learning techniques (CNN, RNN, LSTM)
- Retrieved data from Stack Overflow API by using SQL queries.

EXPERIENCE

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.

ENTERGY | TRANSMISSION PLANNING INTERN

Feb 2015 – Dec 2015 | New Orleans, LA

Became competent in power analysis and became familiar with Louisiana's power system.

- Performed steady-state contingency analysis using PSS/E and MUST.
- Created a tool that help visualize the power flow of the entire Entergy system in a geographically manner using PowerWorld.

AWARDS, SOCIETIES AND PUBLICATIONS

- 2019 **Published at Behavioral EC 2019 Poster**
- 2018 **Published at AAI 2018 Conference**
- 2018 **Published at IJCAI 2018 Workshop**
- 2018 **Attended Data61 International Optimisation Summer School**
- 2017 **International Business Machines Corporation Fellowship**
- 2016 **Psychology Achievement Award.**