

# Andrea Martin

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## EDUCATION

### TULANE UNIVERSITY

#### PH.D. IN COMPUTER SCIENCE

Conc. AI and Marketing Expected  
 Graduation: May 2021  
 GPA: 3.833

### UNIVERSITY 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

Networks

Artificial Intelligence (Currently  
 Enrolled)

Marketing

Social Psychology

Digital Marketing( Currently Enrolled)

### UNDERGRADUATE

Data Structures

Digital Systems Design

Microcomputers Digital Design

Experimental Design and  
 methodology

Learning Psychology

Industrial Psychology

## SKILLS

### PROGRAMMING

• Python • Java • C •

Assembly • HTML • CSS

Familiar:

• JavaScript • C++

### TOOLS

•  $\LaTeX$  • Git • GitHub • WordPress

### INFO MANAGEMENT:

• Word • Excel • PowerPoint • Pages

• Numbers

### LANGUAGES

• English • Spanish

• French

## EXPERIENCE

### ENTERGY | TRANSMISSION PLANNING INTERN

Feb 2016 – Dec 2016 | New Orleans, LA

Became competent in power analysis, improved engineering principles to solve problems and became familiar with Louisiana's power system.

- Perform power flow modeling and short circuit analysis.
- Perform 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.

### RENTAMETRIC | TECHNICAL SALES ENGINEER INTERN

May 2014 – Aug 2014 | Bogota, Colombia

Became familiar with the telecommunication market in Latin America.

- Understand and used fiber optic equipment (Fusion Splicer and Optical Testers)
- Understand need of costumers and find solutions when client's requirements were not completely fulfilled.

## RESEARCH

### TULANE UNIVERSITY COMPUTER SCIENCE | RESEARCH ASSISTANT

May 2017 – Aug 2017 | New Orleans, LA

Worked with **Brent Venable** to create a new Algorithm that predicts peoples preferences in a sequential and conditional manner using AI techniques and psychologic theories .

### UNO ADVANCED MATERIAL RESEARCH INSTITUTE |

#### UNDERGRADUATE RESEARCHER

May 2013 – feb 2015 | New Orleans, LA

Became experienced on applying multiple and different research methods.

- Researched on Development of Frequency Agile Devices Based on Stimuli-Active Magnetic Nano-wires Composites.
- Conduct lab experiment and periodically write reports and presentations.

## TEACHING ASSISTANT

### TULANE UNIVERSITY COMPUTER SCIENCE

Here is a brief list of the courses that I have taught as a Teacher Assistant:

- 2016 Fall, CS1500 : Intro to computer science I Lab.
- 2017 Spring, CS1600 : Intro to computer science II Lab.
- 2017 Summer, CS1600 : Intro to computer science I Lab.

## AWARDS AND SOCIETIES

- 2017 International Business Machines Corporation Fellowship
- 2017 Get Magic Mentor
- 2016 Psychology Achievement Award.
- 2014 Second Place at IEEE Student Ethics Competition
- 2013 President of Society of Hispanic Professional Engineers
- 2011 University of New Orleans Carondelet Scholarship