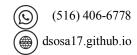
Dennis Sosa





Expected: December 2018

GPA: 3.87/4.00

GPA: 3.71/4.00

Earned: May 2017

EDUCATION

Georgia Institute of Technology, College of Computing, Atlanta, GA

Master of Science: Computer Science

Specializations: Artificial Intelligence, Machine Learning

Stony Brook University, College of Engineering & Applied Sciences, Stony Brook, NY

Bachelor of Engineering: Computer Engineering – Honors Program

Minor: Computer Science

Honors/Awards: Undergraduate Degree with Distinction: Magna Cum Laude, Academic Excellence Undergraduate Award, GEM Fellowship Relevant Coursework: Artificial Intelligence (AI), Knowledge-based AI, Game AI, Computational Creativity, Machine Learning, Data & Visual Analytics, Database System Concepts & Design, Computability & Algorithms, Computer Vision, Machine Learning for Trading, Operating Systems

<u>SKILLS</u>

Programming: Python, Java, JavaScript, C, C++, C#, Matlab, PHP, SQL, Bash Shell Scripting, Prolog

Web: HTML, CSS, Django, Flask, D3.js, jQuery, Node.js, React, Redux, JSON, REST

Technologies: Amazon Web Services, Apache Hadoop, Apache Pig, Apache Spark, Git, Maven, Microsoft Azure, SQLite, Docker

Operating Systems: Linux (CentOS & Ubuntu), Unix, Mac OS, Windows

Languages: Native/Bilingual Proficiency - English & Spanish, Elementary Proficiency - Portuguese

WORK/RESEARCH EXPERIENCE

Adobe Systems Inc., San Jose, CA

Data Scientist Intern

May 2018 - August 2018

- Implemented a chat assistant using Microsoft Bot Framework's Node.js SDK & Microsoft's LUIS API to detect intents
- Integrated assistant with the digital marketing React platform to assist users by providing desired data insights in datasets

Adobe Systems Inc., Boston, MA

May 2017 – August 2017

Software Engineer Intern

- Implemented a dynamic scaling server-side API for a cloud infrastructure team utilizing Python & Amazon Web Services
- ♦ Migrated the team's AWS infrastructure Python API (used to manipulate AWS resources) from Boto2 to Boto3

Intelligent Product Solutions, Hauppauge, NY

January 2017

Software Engineer Intern

◆ Developed a WPF C# application to test embedded circuit boards & programmed 2 microcontrollers using Embedded C

Goldman Sachs, New York, NY

June 2016 − August 2016

Software Engineer Intern

♦ Worked as a Java & JavaScript full-stack developer on a Commodities data tool, writing & testing over 3000 lines of code

Stony Brook University Undergraduate Research & Creative Activities, Stony Brook, NY

June 2015 – August 2015

Undergraduate Summer Research Fellow – Computer Science Department

- ♦ Abstract Title: Efficient Power Delivery Using Artificial Intelligence Planning
- Implemented an efficient planning algorithm to represent power delivery on smart power grids using Python & Prolog

PROJECT EXPERIENCE

Machine Learning with Census Income Dataset in Python

March 2018 – April 2018

- Cleaned dataset with ~49K instances using OpenRefine, preprocessed data, created & tuned models using scikit-learn
- ◆ Implemented supervised learning, unsupervised learning, randomized optimization, & dimensionality reduction algorithms

 Spatial-Temporal Crime Data Analysis & Visualization Flask App

 March 2018 April 2018
 - tiai-Temporal Crime Data Analysis & Visuanzation Flask App

Water 2016 – April 201

- Developed a tool to help users visualize, analyze, & predict crimes in Los Angeles with temporal & type filters
- ◆ Plotted ~1.6M crime points on a geographical heat map using Leaflet and visualized all statistics on Google Data Studio Sarcastic Chatbot in Python April 2018
 - ♦ Implemented a chatbot with sarcasm generation through template-based text & emoji within a knowledge base
- ◆ Used the IBM Watson Natural Language Understanding & Classifier along with NLTK Python APIs to analyze user input UML Software Design Tool in Java May 2016
 - Created a JavaFX application with a friendly GUI to render UML Diagrams & to export workspace to Java skeleton code

LEADERSHIP & PROFESSIONAL AFFILIATIONS

Institute of Electrical & Electronics Engineers (IEEE)

October 2015 – May 2017

Stony Brook Chapter - President (October 2016 - May 2017), Vice President (August 2016 - October 2016)

Society of Hispanic Professional Engineers (SHPE)

August 2014 – Present

Georgia Tech Chapter + Stony Brook Chapter - Webmaster (August 2015 - May 2017), Historian (August 2014 - May 2015)

Presented research poster at the Research & Innovation in STEM (RISE) Symposia in the SHPE 2015 National Conference