Matthew Canova

matthewcanova@gmail.com   matthewcanova.github.io

Profile

I am a motivated Computer Science undergraduate with prior work experience in both QA and Product Management wanting to work with a great team on an awesome project that preferably utilizes Machine Learning, Artificial Intelligence, Data Mining, or Natural Language Processing.

Work Experience

QA ENGINEER/QA LEAD, TD AMERITRADE; DRAPER, UT – 2009-2011
SR MANAGER, EDUCATION TECHNOLOGY, TD AMERITRADE; DRAPER, UT – 2011-2014
TEACHING ASSISTANT, UNIVERSITY OF UTAH; SALT LAKE CITY, UT – 2015-PRESENT

Coursework

Electives: Data Mining, Machine Learning, Natural Language Processing

Current: Artificial Intelligence, Information Extraction, Adv. Data Visualization

Skills

Proficient in Java, C++, C#, and Python. Almost all of my current coding is currently done in Python. I have experience with QA and Product Management in the fields of Financial Services and Online Learning. I work well with others and will assist with anything, even if it's not my expertise.

Relevant Projects

See matthewcanova.github.io for source code and other projects

Audio Data Mining: An unsuccessful attempt to Data Mine audio for various types of classification (speaker, word). I learned a lot about audio pre-processing for speech recognition in this project.

AR Project: I did some part-time project work on Augmented Reality, but this was my first exposure to many 3D graphics concepts, a few languages, and a few different AR platforms.

Twitter Bot Finder: This was a Machine Learning project to classify twitter bots using a variety of classifiers.

Information Extraction Project: This was an NLP project focused on extracting correct labels from news articles about terrorist attacks (victim, weapon, location, etc.)

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Fellow Capstone Students,

I am a motivated student looking to create a senior project that either utilizes advanced Computer Science techniques to do something interesting (e.g. use Machine Learning to identify bots for a user) or has a meaningful impact on the world around us (e.g. positively impact the air quality in the valley).

My electives so far have focused on Artificial Intelligence, Machine Learning, and Natural Language processing. I am very passionate about these topics and would love to work on a project that involved them, although, I feel that most ideas could probably benefit from one of these fields.

I am employed as a TA for the School of Computing and I only have 1 class remaining next semester, so I should be able to dedicate a good amount of time to the project. I am not concerned with getting any ranking, only with doing great work on something that I personally feel good about.

Best Regards,

Matthew Canova