CORA YANAR SCHNECK

cyschneck@gmail.com | cyschneck.com | github.com/cyschneck

LAST UPDATED: MAY 2021

CURRENT AFFILIATION

Magnite (Previously known as SpotX)

EDUCATION

-B.A. in Ecology & Evolutionary Biology [May 2018]
Cumulative GPA: 3.773/4.0
Department of Arts and Sciences; **University of Colorado, Boulder**

-B.A. Honors in Computer Science [May 2018]
Cumulative GPA: 3.651/4.0
Department of Arts and Sciences; **University of Colorado, Boulder**

-B.A. Honors Thesis: *Hail Hydra: Named Entity Resolution, Extraction, and Linking of Lexically Similar Names* [Advisor: Dr. Chenhao Tan]

ACADEMIC AWARDS

2018	Computer Science *magna cum laude*
2018	Discovery Learning Award
2013-2018	University of Colorado, Boulder Dean's List

PROFESSIONAL APPOINTMENTS

Magnite (Previously known as SpotX), Broomfield, CO
-Software Engineer in Test II: May 2019-*Present*
-Dedicated QA engineer and developer for the automated testing suite for team's site with WebdriverIO

Laboratory for Atmospheric and Space Physics (LASP), Boulder, CO
-Undergraduate Research Assistant: May 2015-May 2018
-Advanced and refactored Python deployment code and automated unit testing for scientific data returned from the Mars orbiter MAVEN

University of Colorado Boulder, College of Arts and Sciences
-WordPress Developer: May 2017-May 2018
-Designed and constructed the Shakespeare CoLab website within a four-month deadline with detailed documentation for non-developers in the English department

University of Colorado Boulder, Student Academic Success Center at CU Boulder
-Computer Science Tutor: January 2015-August 2015
-Taught students one-on-one to master the fundamentals of Python and C++

University of Colorado Boulder, University of Colorado Boulder Libraries
-Student Library Work in Metadata Services (February 2014-August 2015)
-Expanded and preserved over 10,000 university records utilizing Sierra and OCLC

PROJECTS

History Survival Guide
-Writer, Researcher, and Illustrator: July 2019-*Present*
-Creator and curator for a STEM blog that explores scientific concepts with practical information about how to recreate and use the techniques described
Now Safe for Work: Chrome Extension
-Lead developer: January 2020-*Present*
-Browser extension to limit and toggle the visibility of images on websites
IFE-Dust Source: Python Script
-Lead developer: August 2018-May 2019
-Developed script to correlate which small celestial body created the dust which disturbed the magnetic field and created an Interplanetary Field Enhancement with the NASA API for Near Earth Objects
IFE-Search: Python Script
-Lead developer: August 2018-May 2019
-Automates the search in satellite magnetometer data for Interplanetary Field Enhancements
Hail Hydra: Named Entity Resolution, Extraction, and Linking of Lexically Similar Names
-Honors Thesis: August 2017-April 2018
-Named entity resolution in Python to identify, label, and link complex names, titles, and locations within texts spanning a range of complexity, jargon, and dialect to dynamically identify a multi-part named entity from the text rather than from a preexisting corpus
-Scripted the automatic generation of a labeled network of symbolic and physical inte2ractions between characters in text based on dynamically assigned gender, frequency, and sentiment
Expanded Smith-Waterman Alignment: Python Script
-Lead developer: April 2017-June 2017
-Developed an expanded version of the traditional Smith Waterman algorithm for local alignment in genetic sequences that dynamically changes the mismatch score to allow for a range of confidences to find greater instances of a match
Billy-Bot: Python Script
-Lead developer: April 2017-June 2017
-Dynamic Shakespeare sentiment analysis to track the emotional arcs of Shakespeare's plays

COMPUTER SKILLS AND SYSTEMS EXPERIENCE

Tools and Software
Atlassian (Jira, Crucible, and Confluence), Git, Docker, NumPy, TensorFlow, Pandas, ELK, Scikit-Learn, Jenkins, Vim, NLP, APIs, Machine Learning, Jupyter, Tkinter, Electron, SyntaxNet, NetworkX, NLTK, Regex, WebdriverIO, Adobe (Photoshop and Premiere), Unity, Linux (Ubuntu)
Programming Languages
Proficient: Python, , C#, Shell/Bash, SQL, R and R-Studio, LaTex
Exposure: C++/C, JavaScript, MATLAB, HTML, CSS
Selected Coursework:

Algorithms, Algorithms for Molecular Biology, Conservation Biology, Evolutionary Biology, Genetics: Molecular to Population, Introduction to Physical Anthropology 1 and 2, Introduction to Artificial Intelligence, Landscape Ecology, Machine Learning, Operating Systems, Plant Biodiversity and Evolution, Software Dev Methods and Tool

LETTERS OF RECCOMENDATION AVAILABLE UPON REQUEST