

EDUCATION

University of Texas – Austin, Texas

B.A. Computer Science; B.A. English Honors

GPA: 3.8 out of 4.0

December 2015

TECHNICAL SKILLS

Programming Python, Java, C, Ruby, Objective-C, Web Development

Databases MySQL, SQLite

Tools Git, Github, Chef, Vim, Web frameworks (Django, Grails, AngularJS), Python libraries (numpy, pybrain, pandas, nltk, etc.), IDEs (Xcode, JetBrains suite)

PROJECTS

Sonnets Chronology Thesis

May 2014- Current

- We know when Shakespeare published his Sonnets, but we do not know when he wrote them, or in what order. My thesis incorporated modern data mining techniques and exhaustive knowledge of Elizabethan poetry to cluster and classify the sonnets chronologically, discovering when and in what order they were most likely written. Currently developing further for scholarly publication.

Lexalio

August 2015

- Developed a Django web application Lexalio, a name-generating wizard, who uses Social Security baby name data from the past 135 years to randomly create original and unique names from any given gender and year.

Sylvia Plath Twitterbot

December 2015

- Built Markov-chain generator Twitterbot drawing from the collected poetry and prose of Sylvia Plath. Randomly tweets pseudo-coherent Plath-like quotes. Interacts with Twitter API in a Python wrapper.

Chip-8 Emulator

January 2014

- Constructed an emulator for a Chip-8 virtual machine including graphics and I/O components. Java.

EMPLOYMENT

Target Corporation– Minneapolis, MN; *Software Engineering Intern, Big Data Team*

June 2015-August 2014

- Built Grails web application and RESTful API to expose crucial performance metrics of Target's Hadoop big data cluster in a team using an Agile/Scrum methodology
- Developed with JavaScript toolsets (jQuery, D3), Bootstrap, Solr, MySQL, Apache Tomcat and other technologies touching each layer of full-stack web development
- Interfaced daily with a production-scale big data platform running MapReduce, Spark and Pig jobs

UT Intercollegiate Athletics IT Services– Austin, TX; *Technical Support Assistant*

February 2014-Nov 2014

- Worked to maintain an array of enterprise technologies on a local network of hundreds of clients
- Solved clients' technical problems and communicated complex details with a calm, professional attitude

Achievements and Awards

- One of twelve students in the College of Liberal Arts named Dean's Distinguished Graduate, May 2015
- College of Liberal Arts Dean's Honor List, College of Natural Sciences Honor Roll, Spring 2012-Current
- Awarded Rapoport-King Scholarship for Thesis Project, October 2014
- Awarded Unrestricted Endowed Presidential Scholarship, Spring 2014
- Admitted to UT English Honors Program, Spring 2012
- Winner of Liberal Arts Honors First-Year Writing Contest, Fall 2011
- Awarded Eagle rank in Boy Scout Troop 183, Albuquerque, New Mexico, Spring 2011

Additional Information

Languages English (native), Spanish and German (proficient)

Extracurricular Activity Involvement and leadership in technical (ACM, OSTEM, O4U Tech), political (Texas Freedom Network, United Students Against Sweatshops) and literary (ECCO literary journal, Liberal Arts Honors) organizations