

James Fisk
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(505) 980-8541

EDUCATION

University of Texas – Austin, Texas
GPA: 3.8 out of 4.0

B.A. Computer Science; B.A. English Honors
December 2015

RELEVANT COURSEWORK

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| <ul style="list-style-type: none">• Automata Theory• Artificial Intelligence• Statistics and Probability• Data Structures and Algorithms• Computer Architecture• Operating Systems | <ul style="list-style-type: none">• iOS Mobile Development• Data Mining• Randomized Algorithms• Autonomous Multiagent Systems• Info Retrieval and Web Search• Programming for Performance |
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SKILLS

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| <ul style="list-style-type: none">• Programming – Python, Java, C, Web and Mobile Development• Academic and professional writing and editing | <ul style="list-style-type: none">• Experience working in DevOps model, including use of technologies like git, Github and Jenkins• Proficiency in Spanish and German |
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PROJECTS

Computational 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 sophisticated data mining techniques and exhaustive knowledge of Elizabethan and Jacobean poetry to cluster and classify the sonnets, discovering when they were most likely written. Currently developing further for scholarly publication.

Sylvia Plath Twitterbot December 2014

- Built from scratch a Markov-chain generator Twitterbot @plath_bot 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 system including graphics and I/O components. Java.

EMPLOYMENT

Target Corporation– Minneapolis, MN; *Software Engineering Intern* June 2015-August 2014

- Built rails web application to expose crucial performance metrics of Target's Hadoop big data cluster
- Developed with Javascript toolsets, Solr, MySQL, Python and many more diverse, full-stack technologies
- Observed and interacted 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 with Active Directory to help maintain large Windows domain of users
- Effectively communicated complex technical details with calm and professional attitude
- Worked as part of a team to dynamically tackle challenges of malfunctioning technology

Achievements and Awards

- One of twelve students in the College of Liberal Arts named Dean's Distinguished Graduate, May 2015
- Awarded Rapoport-King Scholarship for Thesis Project, October 2014
- Awarded Unrestricted Endowed Presidential Scholarship, Spring 2014
- College of Liberal Arts Dean's Honor List, College of Natural Sciences Honor Roll, Spring 2012-Current
- Admitted to UT English Honors Program, Spring 2012
- Involvement and leadership in student organizations like OSTEM, O4U Tech and Texas Freedom Network
- Awarded Eagle rank in Boy Scout Troop 183, Albuquerque, New Mexico, Spring 2011