

Tresdon Jones

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Education

University of Denver - Denver, CO

Expected Graduation: June 2018

Bachelor of Science in Computer Science

Major GPA: 4.0 | Overall GPA: 3.9

- Dean's List (every term) & Hornbeck Scholar's List (3 terms)
- Outstanding Academic Achievement Award from Computer Science Department – 2nd and 3rd year
- Original member and eventual president of the DU Computer Science Club

Waseda University - Tokyo, Japan (早稲田大学 — 東京、日本)

March 2017 - August 2017

Study Abroad - Japanese Language Program

Experience

SpotX - Westminster, CO

June 2016 - Present

Software Engineering Intern

- Streamlined and accelerated creation of CI pipelines by developing a library capable of executing company-specific software tasks such as interacting with microservices, updating and fetching version control, deploying applications, running tests, and communicating updates on pipeline statuses.
- Built tools to verify the correctness of testing environments before running automated testing suites. If the environment is not ready for a run the script will automatically correct it (install dependencies, set environment variables, etc).
- Wrote a script to backfill data from MySQL into druid for a more immediate data warehouse solution.
- Added features to our in-house reporting solution to address concerns of data analysts using the platform.

University Technology Services - University of Denver

September 2015 - June 2016

Technology Consultant

- Assist clients by troubleshooting and repairing an array of technology-related issues.

Projects - links to these projects and more at tresdonjones.com

Advocadence [Python, Flask, AWS, Neo4j, HTML5, Javascript, CSS]

- Music recommendation web application which I designed, built, deployed, and improve.
- Configured Oauth2 with Spotify API and user's account information to learn from user's liked songs.
- Leverages audio features as input to a neural network to train the recommender.

Keyboard [HTML, CSS, Javascript, Web Audio API]

- In-browser drum machine featuring simultaneous playback of samples.
- Modifiable pad noises allowing the user to create their own sounds via their microphone.

Medieval Arrow [Java, Slick2D]

- Implemented collision, enemies, camera, sprite animation, and objectives.
- Easily scalable, maintainable, and readable codebase utilizing object-oriented principles.

Sudoku Solver - A command line sudoku solver written in python

Musician's Website - A showcase of unique techniques musicians can use to create

Roman Villa Website - The first website I built, for a pizza restaurant I worked at in high school

Technical Summary

Python, Java, Javascript, C++, HTML, CSS, Git, SVN, UNIX, Vim, AWS, Bootstrap, Pandas, Numpy, Selenium, Flask, MySQL, Hadoop, Druid, MongoDB, Neo4j