

Tresdon Jones

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Education

University of Denver - Denver, CO

Bachelor of Science in Computer Science

- Dean's List & Hornbeck Scholars List
- Outstanding academic achievement award - 2nd year student (solo recipient)

Expected Graduation: May 2018

Major GPA: 4.0 | Overall GPA: 3.9

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

March 2017 - August 2017

Study Abroad

Experience

SpotX - Westminster, CO

June 2016 - Present

Software Engineering Intern

- Decreased false-positive failures in automated testing suites by 60%.
- Developed systems to verify and correct testing environments for more robust testing suites.

University Technology Services - University of Denver

September 2015 - June 2016

Technology Consultant

- Assist clients by troubleshooting and repairing technology-related issues.

Projects - More projects at: tresdonjones.com

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

advocadence.com

- 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 descriptions as the input to a neural network.

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

tresdonjones.com/keybored

- In-browser drum machine featuring simultaneous, overlapping playback of samples.
- Modifiable pad noises allowing the client to use their microphone to create their own sounds.

Medieval Arrow [Java, Slick2D]

github.com/Tresdon/Medieval-Arrow

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

Sudoku Solver [Python] (DFS CLI sudoku solver)

github.com/Tresdon/Sudoku-Solver

Roman Villa Website [HTML, CSS] (developed website and optimized search queries)

romanvillapizza.com

Musician's Website [FE Web, Web MIDI API] (design experiment)

tresdonjones.com/musician-website

Leadership

DUCS - DU Computer Science Club

November 2015 - Present

Professional President

- Maintain the status of the ACM student chapter at the University of Denver.
- Communicate news about industry events to DUCS.

Technical Summary

Languages: Python, Java, C++, HTML, CSS, Javascript

Tools: Git, SVN, UNIX, Vim

Libraries / Frameworks: Bootstrap, Selenium, Flask, Jinja2

Databases: MySQL, MongoDB, Neo4j