

# 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)

Study Abroad

**March 2017 - August 2017**

## Experience

### SpotX - Westminster, CO

Software Engineering Intern

**June 2016 - Present**

- 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

Technology Consultant

**September 2015 - June 2016**

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

## Projects - More projects at: [tresdonjones.com](https://tresdonjones.com)

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

[advocadence.com](https://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.

### KPC [ HTML, CSS, Javascript, Web Audio API ]

[tresdonjones.com/kpc](https://tresdonjones.com/kpc)

- 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](https://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](https://github.com/Tresdon/Sudoku-Solver)

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

[romanvillapizza.com](https://romanvillapizza.com)

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

[tresdonjones.com/musician-website](https://tresdonjones.com/musician-website)

## Leadership

### DUCS - DU Computer Science Club

Professional President

**November 2015 - Present**

- 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