

Joseph Caswell

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in [/joe-caswell](#)

🔗 [/fsujoseph](#)

🎓 Education

Oregon State University

B.S. Computer Science - 3.75 GPA

May 2020 – May 2022

Corvallis, OR

Purdue University

B.S. Civil Engineering - 3.23 GPA

Aug. 2016 – Dec. 2019

West Lafayette, IN

🔧 Experience

Walmart Global Tech

Software Engineering Intern

Jun. 2021 – Aug. 2021

Sunnyvale, CA

- Incoming software intern on Walmart's Ecommerce team focusing on back-end work in Java
- Will manage small to large-sized projects and participate in discovery phase for high level design

Oregon State University

Teaching Assistant

Feb. 2021 – Cur.

Corvallis, OR

- Teach and mentor hundreds of students in Data Structures and Object Oriented Programming
- Designed and evaluated courses and course reading content
- Graded assignments for students with regular data entry, code reviews, and suggestions to improve code

McAdams

Civil Engineer

Aug. 2020 – Feb. 2021

Charlotte, NC

- Designed multiple high profile projects utilizing AutoCAD, Civil3D, MicroStation and Lisp commands
- Created custom Lisp scripts to increase efficiency for design work by several hours for multiple tasks
- Prepared and monitored engineering estimates for project costs and construction

🏗 Projects

Sudoku

- Sudoku game featuring a GUI to visually illustrate use of a backtracking algorithm
- Generates random and unique Sudoku boards to solve with difficulty options available
- Project: <https://github.com/fsujoseph/Sudoku>

Live Stock Tracker

- Interacts with user to store and update stock holdings into a save-able file
- Tracks live stock price data to accurately calculate yearly dividend totals
- Project: <https://github.com/fsujoseph/Dividend-Project>

Fantasy Sports Optimizer

- Uses linear programming and mathematical optimizations to create optimal lineups
- Won multiple tournaments using generated lineups
- Project: <https://github.com/fsujoseph/FantasyOptimizer/>

⚙ Skills

Proficient Languages: Python, C, Java, JavaScript, HTML, CSS

Technologies and Environments: Node.js, Git, Github, PyGame, Tkinter