

Jacob Shade

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EXPERIENCE

Software Intern at Lion Federal (Dec 2019 - Present)

- Developed a web UI test automation framework in Ruby utilizing Watir libraries
- Created an English-like scripting development language using Cucumber
- Maintained and updated lionfederal.com on a regular basis using HTML/CSS

EDUCATION

George Mason University, Fairfax, VA

Bachelor of Science in Computer Science, May 2021

PROJECTS

Portfolio Website (Fall 2019 - Present) – jacobshade.com

Tile Takeover (Fall 2019) – Android game app developed with a team

- Utilized Android UI packages to integrate a Java backend with an XML frontend
- Applied Agile methods and Software Engineering principles
- Led the team by making sure we met all requirements and deliverable dates

Dijkstra's Algorithm (Spring 2019) – Implemented shortest path algorithm using graphs

- Coded in Java using HashMap and PriorityQueue as the underlying data structures
- Used time and space analysis on major methods to create efficient code
- Handled the output through an interactive Java Swing GUI

Game of Chess (Fall 2018) – Coded utilizing object-oriented programming concepts

- Used abstract classes, inheritance, and polymorphism to effectively reuse code
- Wrote test cases using JUnit to fix bugs
- Became more comfortable manipulating objects within a 2D array

LEADERSHIP EXPERIENCE

Head Coach for Lake Braddock HS Ultimate Frisbee (Fall 2019 - Present)

- Actively managed in-game strategy, utilizing the strengths of each player
- Cultivated a positive and supportive team culture
- Led team discussions on player values and codes of conduct

President and Captain for GMU Ultimate Frisbee Club (Fall 2016 - Present)

- Planned and led practices, with a focus of maximizing the potential of each player
- Hosted tournaments that included 750+ participants and raised over \$7,000 annually
- Built strong communication skills via direct contact with Club Sports and e-board members

Shift Leader at Dunkin Donuts (Aug 2018 - Dec 2019)

- Empower the team to satisfy guests and resolve problems efficiently
- Ensure quality food and beverages are served to each guest

LANGUAGES

HTML, CSS, JavaScript, Java, Python, C/C++, C#, Ruby