

# Summer Shipp

Fairfax, Virginia

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## EDUCATION

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### George Mason University

Fairfax, VA

B.S. in Computer Science and Minor in Mathematics

January 2018 – December 2021

- GPA: 3.67
- Relevant Coursework in Data Structures, Databases, Software Engineering Methodologies, Object-Oriented Programming, Web Development, Statistics, Operating Systems, Algorithm Analysis, Computer Graphics, Networking, Discrete Math, Linear Algebra, Differential Equations, Logic

## EXPERIENCE

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### George Mason University Tutoring Center

Fairfax, VA

Tutored peers in Programming, Linear Algebra, Calculus I, II, and III

January 2018 – January 2020

- Learned strong communication skills and how to explain complex concepts to peers

## SKILLS

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**Languages** C, C++, Python, Java, HTML, CSS, LaTeX, SQL, JavaScript

**Frameworks** Git, Django, React

## PROJECTS

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### Designed a Screen Sharing Web Application Using Django, Python, and HTML

Fall 2021

- Simple, quick, and easy application that allows users to share their screen with friends
- Focuses on simplicity and ease of use when compared to similar applications
- Worked in a group of 3
- Project details: [here](#)
- Code available upon request

### Designed a Streaming Service Database using SQL

Fall 2021

- Created ER diagram using limited constraints and personal assumptions
- Converted to relational schema
- Created database using SQL
- Constructed complex queries using SQL
- ER diagram: [here](#)
- Code available upon request

### Implemented Network Simulator Using Java

Fall 2019

- Implemented a directed graph class using an adjacency list to support a network structure
- Implemented a hash table class to support network routing and Dijkstra's Algorithm
- Used algorithm analysis to create a 100 node graph with 25% connection probability in under one minute
- Project details: [here](#)
- Code available upon request