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Education

FairFax, VA	**George Mason University**	**Present**

- Bachelor of Science, Computer Science

Annandale, VA	**Northern Virginia CC**	**May 2022 - Dec 2023**

- Associate of Science, Computer Science, GPA: 4.00
- Relevant Coursework: Engineering Entrepreneurship, Design and Analysis of Algorithms, Object Oriented Programming.

San Francisco, CA	**CodePath.org**	**June 2023 - August 2023**

- CodePath Advanced Technical Interview Prep Certificate.

Relevant Experience

Software Engineer	**CouncilDataProject**	**April 2022 - May 2022**

Open Source

- Implemented scraper integration to extract metadata from chat transcripts and provide metadata to a system-wide search database.
- Collaborated with 10 remote teams including software engineers, ML engineers, UX designers and product managers.
- Fixed slower search time by implementing a rate limiting algorithm resulting in 65% search improvement.

Software Engineer	**NaamHouse Inc**	**Dec 2021 - Feb 2022**

Hackathon

- Facilitated design consensus through comprehensive analysis of diverse templates of 10 UX designers.
- Reduced load time by 50% on content interaction by implementing lazy loading to enhance performance
- Implemented reusable React components resulting in 30% reduction in production time

Technical Projects

- **Drawing Tool** (2021) Websocket based server written in Ruby on Rails for live drawing allowing synchronized shared content between multiple users.
- **Github Tool** (2022) Live Flask API service written in Python for automating repository retrieval on GitHub
- **Online Visual Editor** (2021) online collaborative visual editor providing users with editorial access to one anothers tabs for seamless teamwork

Leadership and Engagements

- **ColorStack Fellow**: Actively contributed to a dynamic virtual community, collaborating on projects centered around the creative use and interpretation of color, sharing inspiration, and actively engaging in discussions to cultivate visually captivating designs.
- **Tunisian Space Association:** Provided assistance for creating lunar printer simulation in space enviornment and successfully managed to secure funds for the future developemnt of the project.
- **Technical Writer:** Published and Wrote technical articles covering software design, Engineering Entrepreneurship averaging 312 monthly readers.

Languages and Technologies

- Python, Java, Javascript, Typescript, Ruby, React, Node, Jest, Redux, Rails, Redis.
- Visual Studio, Eclipse, ROS.