

Caleb Dale Blomquist

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Education *Towson University: Anticipated completion of Fall 2023*

- Bachelor of Science in Computer Science, track in Software Engineering,
- Minor in Music.
- Upper-Level Computer Science Courses GPA: 3.845 Overall GPA: 3.632
- Relevant Coursework: Requirements Analysis and Modeling, Artificial Intelligence, Software Quality Assurance and Testing, Object Oriented Design and Programming, Intro to Software Engineering, and Data Structures/Algorithms.

Summary

- Strong interest in obtaining new skills and learning new concepts. Aiming to improve my technical knowledge and experience through creating a personal website and leetcode exercises. Exploring data analysis through NASA data sets to strengthen experience.
- Effective group experience with both leading and being a member of a group of people through leadership opportunities and group work throughout education. Achieved the perspective to be successful in a group no matter the role in the overall group.

Technical Experience

- Experienced with Java, Python, git, and Agile practices, with some experience with Jupyter Notebook, HTML, CSS, JavaScript, React, and C.
- Worked in a Software Engineering research group alongside other Undergraduate and Graduate researchers.
- Undertaking personal project of working on public NASA datasets.

Work Experience

Towson University Software Engineering Research Member (Jan 2022 – Present)

- Researched using a Convolutional Neural Network to classify source code as vulnerable or not, after converting that code into an image that the CNN can analyze.
- Worked with libraries in python, and different 3rd party tools to create the image data from the source code and training the model.
- Collaborated with peers in the research group on differing projects.

Towson University Stage Manager/Audio Technician (Winter 2017 – Present)

- Worked with others to help the performance run smoothly as the performer's needs are met after discussing with them and learning their needs before the performance.
- Learned flexibility to the ever-changing needs of a client throughout the event and gained communication and organization skills needed to keep everything running.

Additional Experience and Awards

Association of Old Crows Achievement in Science & Technology Winner (Spring 2023)

Member of the Towson University Software Engineering Club (Fall 2021 – Present)

Member of Kappa Kappa Psi, Music service organization (Fall 2018 – Present)

- Served as President (Fall 2019-Spring 2020) and Secretary (Fall 2021).