

# Victor Messercola

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## EDUCATION

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### Bachelor of Science in Computer Science

May 2025

Towson University – *Towson, MD*

- Software Engineering Club
- Dean's List

### Associate of Science in Computer Science

May 2023

Community College of Baltimore County – *Essex, MD*

### GPA: 4.00

**Relevant Courses:** Web-Based Programming, Object-Oriented Design & Programming, Software Engineering Data Structures & Algorithms, C++ Programming, Calculus I & II, Linear Algebra, Discrete Mathematics

## CERTIFICATIONS & SKILLS

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**Programming languages:** Java, C#, C++, Python, JavaScript

**Technologies:** HTML, CSS, React, Next.js, PostgreSQL, Firebase, Unity Engine, JavaFX

### Lyft Virtual Experience Program – Forage

Sep. 2023

- Successfully demonstrated proficiency in Software Architecture, Refactoring, Unit Testing, and Test-Driven Development through practical tasks

### Certified in Cybersecurity (CC) – (ISC)<sup>2</sup>

Jul. 2023

## PROJECTS

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### Sound Guessing Game | HTML, CSS, React, JavaScript, Firebase

Summer 2023

[www.listentochamps.web.app](http://www.listentochamps.web.app)

- Engineered an innovative, interactive sound-based guessing game using React, showcasing advanced proficiency in modern web development technologies
- Integrated Firebase as the backend technology, significantly enhancing user engagement by providing synchronized daily challenges, demonstrating understanding of cloud-based database management
- Leveraged Firebase Realtime Database for efficient storage and retrieval of challenge data, including sound file names and correct answers, demonstrating a keen ability to handle complex data structures

### Pet Care Business Website | HTML, CSS, JavaScript

Winter 2022

[www.helpingpawpetcare.com](http://www.helpingpawpetcare.com)

- Designed and developed a comprehensive website for a local pet care business using HTML, CSS, and JavaScript, demonstrating a strong grasp of front-end web development
- Established effective communication channels with the client, ensuring their expectations were aligned with project limitations and deadlines, showcasing excellent client relationship skills
- Delivered a user-friendly interface and seamless navigation, enhancing the user experience and contributing to the client's business growth

### Data Viewer Tool | Java

Winter 2022

- Engineered a robust data view tool using Java and JavaFX, enabling users to view and compare video game characters stats, move sets, and information, demonstrating a strong understanding of Java and its libraries
- Applied object-oriented programming principles to develop modular, scalable, and easily maintainable code, showcasing fundamental software development skills
- Implemented multi-threading to enable simultaneous loading of select external data, demonstrating a deep understanding of concurrent programming and its application in improving software performance

## EXPERIENCE

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### Home Caregiver – *Essex, MD*

Jun. 2019 - Present

- Assisted quadriplegic patient with activities of daily living including but not limited to personal hygiene, medication, eating, traveling, and sleeping