Ryan Werness

[LinkedIn](mailto:LinkedIn) | [701-729-3703](tel:701-729-3703) | [ryan.werness@gmail.com](mailto:ryan.werness@gmail.com) | [GitHub](https://github.com/lowercasecap?tab=projects) | [Website](https://pirateship.ryan-werness.com/)  Skills\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

* **Programming Languages:** Python, Java, JavaScript, C++
* **Web Development:** HTML & CSS, ThreeJS, React
* **Tools:** Blender, Git, Bootstrap, tailwind
* **Other:** Object Oriented Programming, Software Development, Agile, PHP, MySQL

Summary \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Software Engineer with a strong foundation in Java, Python, and ThreeJS. Experienced in developing innovative 3D websites. Recently graduated with a degree in Software Engineering and continuously enhancing skills through personal projects and competitive programming. I am currently developing a 3D periodic table which will display the 3D elements and their structures.

Experience & Projects\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**3D Website**

* Developed an interactive website demonstrating 3D modeling and web development skills.
* Technologies used: HTML, CSS, ThreeJS, Blender, React.

**Security System**

* Created a security system using a Raspberry Pi and camera to detect motion, capture images, and send email alerts.
* Technologies used: TensorFlow, Python, Keras, OpenCV.

**AR Face Filters**

* Designed and developed augmented reality face filters using Unity, enabling real-time user interaction with device cameras.
* Technologies used: C#, Unity.

**Cystic Fibrosis Research**

* Conducted, produced, and tested a 99% + pure, inorganic compound which was later used in Cystic Fibrosis clinical Trials at Mayo Clinic.

Education \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Bachelor of Science in Software Engineering (Online)

North Dakota State University, Fargo, ND

08/2023 – 05/2025 (Expected)

Associate in Applied Science in Software Engineering

NDSCS, Fargo, ND

08/2021 – 05/2024

Other \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Phi Theta Kappa**

* International Honor Society
* Maintained a 4.0 GPA for Associates and 3.76 GPA throughout college career.
* Overall GPA is 15.8% above average for undergraduate STEM students at North Dakota State University.

Work Experience \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

***Paramedic* Casselton Ambulance** Casselton, ND 04/2020 – Current

* Administer drugs, provide medical treatment and transport for injured Patients when needed.
* Public education and fire safety education with children, adults, and schools.
* Give medical reports to the emergency room.

(Further work experience and references are available upon request)