

EXPERIENCE

Software Engineer **US Navy CIV - NSWCCD DNA** **2020-Current**

- Developing virtualized maintenance trainer systems for the United States Navy Using the Unity Game Engine with C#.

Student Ambassador **JMU Department of Computer Science** **Fall 2019 – Spring 2022**

- Worked on a student team to increase department outreach to prospective students through tours, open-houses, high school visits, student chats, and social media.
- Worked to improve the student experience in the department by running events, supporting student activities, and facilitating as a liaison between the student body and faculty.
- Designed and taught programming workshops for visiting K-12 students.

Lead Instructor **JMU College for Kids** **Spring 2022**

- Designed and taught a “Python for Kids” CS1 course targeting middle school students who wanted to learn programming fundamentals.

Mobile App Development Intern **US Army Ft. Bragg Hospital** **Summer 2020 – Fall 2020**

- Developed a mobile application prototype using Dart, Flutter, and Firebase to track and manage medical personnel training records.
- Presented prototype to the staff of the Surgeon General, who selected it for further development.

EDUCATION

Harrisonburg, VA **James Madison University** **Fall 2019 – Spring 2022**

- B.S. in Computer Science with Minor in Jazz Studies on Piano, May 2005. GPA: 3.4.
- Graduated with Cum Laude honors in 3 years.
- Member of JMU Honors College and JMU Jazz Piano Studio.
- Coursework: Operating Systems, Algorithms, Programming Languages, Web Development, Comp. Architecture, Information Security, Human Computer Interaction.
- Performing Arts: Jazz Combo (Piano), Concert Band (Trumpet), Marching Royal Dukes (Tenor Saxophone).

PROFESSIONAL MUSIC EXPERIENCE

Pianist & Saxophonist

- Virginia Beach Symphonicity (Symphony Orchestra).
- Tidewater Winds Concert Band and Big Band.
- Rn5 Jazz Combo Bandleader; Performed for VA Governor Terry McAuliffe, VB Mayor Bobby Dyer at venues including Norfolk Hilton Main and VB Cavalier Hotel.

ADDITIONAL EXPERIENCE AND AWARDS

- CS Representative for the JMU CISE Dean’s Council.
- Anita Borg Award for Computer Science Service and Outreach.
- All-Virginia Jazz Ensemble Pianist.

Languages and Technologies

- C#, Python, HTML/CSS/JS.
- Unity, Adobe Photoshop, Adobe Premiere Pro, Linux, Reaper, Cubase, Muscores.