Ryan Allarey

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EDUCATION

University of Delaware, College of Engineering, Newark, Delaware   *May 2023*
Major: Bachelor of Arts in Computer Science
Minor: Game Studies
Cumulative GPA*:* 3.7
Dean's List: 2020 Spring, 2020 Fall, 2021 Spring, 2021 Fall, 2022 Spring

PROJECTS

Garden Design Software
Introduction to Software Engineering
- Developed an application that enabled users to organize an interactive garden that encouraged the use of Delaware native plants.
- Oversaw a team of 4 developers by scheduling regular deliverables and team meetings through a project management system, Asana.
- Built application with **Java** on **JavaFX** library using Model-View-Controller architecture and implemented unit and functional testing.
- Received positive feedback from the client by delivering 15 features, including serialization.

Planner Application
Advanced Web Technologies
- Mapped out User Experience and designed the User Interface layout of a calendar using a **CSS** framework, Bootstrap 5.
- Designed a user-friendly calendar intended to improve productivity and organization using **HTML, CSS,** and **JavaScript.**
- Implemented a basic calendar input system using vanilla **JavaScript** for DOM manipulation.
- Practiced software development life cycle using Agile development methods.

WORK EXPERIENCE

University of Delaware, Newark, DE   August 2020 – Present
Teaching and Lab Assistant
- Assist in teaching undergraduate students to apply technical problem-solving skills while explaining fundamental programming concepts in **C** and **Python.**
- Administer labs, provide office hours once a week and individual tutoring for classes of over 20 students taking introductory courses.
- Manage 4 groups of 5 students' grades and provide constructive feedback on assignments and projects.

SKILLS

- Languages: Java, C++, Python, HTML, CSS, JavaScript, C
- Technical: jQuery, Git, Data structures, Algorithms, Quality testing, MDA framework
- Software: Windows, Eclipse, Visual Studio Code, Microsoft Office Suite, Adobe Creative Suite: Premiere Pro, Lightroom, and Photoshop, Streamlabs OBS

CAMPUS INVOLVEMENT

University of Delaware Filipino Student Association, Newark, DE   August 2020 – May 2021
Documentation Chair
- Established foundational framework of newly implemented Documentation Chair by defining goals with the President and Vice President.
- Documented over 20 general body meetings and other events held throughout the year by taking pictures and videos.
- Fostered connections with the executive team and the body members to improve club experience.

Culture Night A/V Director   November 2020 – April 2021
- Directed annual Culture Night show using Streamlabs OBS in coordination with Zoom Webinar to stream to over 250 viewers with seamless transitions between live-camera feed and virtual performances.
- Lead promotional videos initiative advertising upcoming events using Adobe Premiere Pro and worked in partnership with the Public Relations Chair to manage the main social media page.