Jackson Press

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Objective:
As a passionate and adaptive computer science student, I am seeking practical experience in the field in the form of an internship to develop both hard and soft skills that will benefit me in the workplace and aid the development of my personal projects.

Education

Virginia Tech   August 2023 - present
Bachelor of Science in Computer Science, expected 2026   Dean's List
GPA: 3.47
James Madison University   August 2022 - June 2023
Bachelor of Science in Computer Science   Dean's List
GPA: 3.58

Awards:
International Baccalaureate Diploma

Projects
Algae Lamp: Engineering Design Project – Fall 2023
- Worked with a team of 4 others in a semester-long project where we chose to design a prototype lamp that utilized algae to purify indoor air quality through carbon capture
- Responsible mainly for programming aspects – utilized Arduino IDE to read in pH, temperature in Fahrenheit, humidity from respective sensors. LCD screen displays information from these sensors.
- Found as many as 11.0 g of carbon were absorbed by the prototype after 2-day test period.

Asteroids Game – Spring 2022
- Implementation of Asteroids arcade game using Java with 15 unique classes
- OOP topics incorporated: Enum classes, polymorphism/inheritance, abstract classes, interfaces, encapsulation, and overriding/overloading methods depending on stage of the game
- Uses vector addition in order to move the ship, bullets, and enemies.
- Project for a CS course - modified over time with more complex additions: Level Increments, changing speed of asteroids, bonus points/extra lives if certain conditions are met

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Skills: HTML, CSS, JavaScript, Python, Java, MATLAB, C, Arduino IDE, SQL, JSON, Pandas, Git

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Work Experience

Dicks Sporting Goods - Footwear Sales Associate and Cashier   June 2023 - August 2023
- Engagement with customers - gauging their needs and providing service in the footwear department
- Overseeing customer transactions and store theft prevention
- Responsible for maintaining cash register and sales: 30-60 individual sales per hour

Richmond Flying Squirrels - Cashier, Stocking Crew, Cook   June 2021 - August 2022
- Filled many different positions, varied on day-to-day basis
- Responsible for overseeing register and enforcing sales, inspecting food and beverage shipments, and working in a line kitchen environment