

Carson Forsyth

Contact

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Education

Computer Science, B.S.
Graduating Spring 2022
Pennsylvania State University
2018 – Present
Cumulative GPA: 3.30
Dean's List Spring & Fall 2020

Soft Skills

Adaptability
Collaboration
Communication
Leadership

Hard Skills

Familiar with:

Data Structures
Visual Studio & Eclipse IDEs
GitHub and Version Control
Algorithm Analysis

Languages:

Proficient:

Java
C

Python

Familiar:

C++
JavaScript

Objective

Creative and hardworking junior computer science major at Penn State University, currently seeking an internship in software development for Summer 2021. Looking to learn and refine application development skills through firsthand experience and collaboration.

Experience

Fire Sprinkler Technician, Tom Forsyth Mechanics: 2018 – Present

Collaborating with an experienced team to install complete fire suppression systems—including measuring and cutting piping, installing valves and control systems, parts and equipment deliveries, interpreting work specifications from given plans, and testing systems for leaks. Ensured all installs passed local fire building safety codes and requirements by the building owner.

Head Lifeguard, YMCA Brandywine: 2018 -- 2020

Shared knowledge of policy and procedures as an experienced YMCA aquatic staff employee while leading a team of 10+ guards per shift. Functioned as manager and staff liaison for pool guests while instructing the swim lesson and lifeguard programs. Ensured entirety of staff and pool area upheld standards to be prepared for unannounced audits by Jeff Ellis Associates, surpassing all requirements. Participated in monthly staff trainings, making sure all guards understood and implemented the most current policies.

Lifeguard, YMCA Brandywine: 2016 – 2018

Maintained vigilance monitoring pool activities and adherence to pool rules, ensuring the safety of 25+ guests throughout shifts. Possessed knowledge of rescue procedures, emergency medical procedures, and safety guidelines as outlined by the YMCA. Participated in monthly staff trainings to maintain the most up-to-date aquatic safety standards.

Relevant Coursework

CMPSCI 221 – Object Oriented Programming: Java language to create a SQL database application

CMPSCI 311 – Introduction to Systems Programming: C programming in UNIX systems, communication between processes and networks

CMPSCI 360 – Discrete Mathematics: Foundational mathematics and logic for computations

CMPSCI 451 – Numerical Computations: Algorithms for interpolation, approximation, floating point conversion

CMPSCI 465 – Data Structures and Algorithms: Algorithm analysis and optimization