

ZAI YANG

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Java, Python

EDUCATION

Bowdoin College, Brunswick, Maine

Bachelor of Arts, Intended Major: Computer Science

Expected May 2027

GPA: 3.85/4.0

Relevant Coursework: Accelerated Intro to Computer Science, Data Structures, Foundations of Computer Systems

Watchung Hills Regional High School, Warren, New Jersey

June 2023

GPA: 3.86/4.0

Activities: Computer Science Club, National Honor Society, Varsity Cross Country/Track, Orchestra

Awards: AP Scholar with Distinction, National Merit Commended Scholar, Dr. William J Pfeiffer Scholarship

PROJECTS

Interlibrary Loan Web User Manual – HTML, CSS, JS

May 2024 – Present

- Developing and maintaining an online user manual for the Bowdoin Interlibrary Loan that is simple to use and user friendly.
- Implements a simple navigation system and a search bar for easy access on how to complete any of the borrowing/lending jobs

Sudoku Solver - Java

March 2024

- Sudoku Solver that can solve any sudoku puzzle of any size grid
- Utilizes advanced recursive backtracking with an implementation of a stack data structure to more efficiently solve the puzzle without simply brute forcing the solution

Alien Dash Game – Python

December 2023

Personal Project – ([GitHub](#))

- Implemented a 2D infinite runner game utilizing Pygame - a set of Python modules designed for writing video games
- Utilized control flow and logic to implement player gravity, random enemy generation, and animation

WORK EXPERIENCE

Interlibrary Loan(ILL), Brunswick, Maine

January 2024 – Present

Lending and Document Delivery Assistant

- Responsible for the development and maintenance of the ILL Web User Manual website
- Ensuring that user-entered data adheres to a strict format to contribute to ILL database organization
- Evaluate, verify, and process user requests for books, articles, and documents from the Bowdoin Library

Habitat for Humanity, Manville, New Jersey

June 2022 – August 2022

Volunteer Sales Floor General Assistant & Volunteer Cashier

- Collaborated with other volunteers to stock and organize donation items into respective departments
- Operated point of sale cash register and assisted in managing in-store orders
- Greeted and attended to customer needs regarding product locations, store policies, and promotions

LEADERSHIP AND ACTIVITIES

NCAA D3 Cross Country & Track and Field, Brunswick, Maine

September 2023 – Present

- Working closely with coaches and fellow teammates for 3 hours daily to improve my athletic performance
- Organizing social programming for the team as a member of the Campus/Community/Social Committee

L.E.A.D Program, Brunswick, Maine

September 2023-December 2023

(Leadership Education, Application, and Development)

Attendee

- Attended weekly guest speaker events to develop a deeper understanding of leadership both on and off the track, such as skills to inspire team members, improve team dynamics, and cohesion

ADDITIONAL SKILLS

Technical Skills: Java, Python, HTML, CSS, Licensed to sell Life and Health Insurance

Languages: Mandarin (Native)

Interests: Camping, Pop and Folk Music, Dystopian Movies, Rock Climbing, Basketball, Laser Tag