ZAI YANG

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EDUCATION

Bowdoin College, Brunswick, Maine
Bachelor of Arts, Intended Major: Computer Science   **Expected May 2027**
GPA: 3.89/4.0
Relevant Coursework: Accelerated Intro to Computer Science, Data Structures, Algorithms (Fall of 2024)
LinkedIn Learning and Coursera Courses: HTML and CSS Essential Training, Build Website with HTML, JavaScript, AngularJS, and React (In Progress)

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 Administrative Hub   **HTML | CSS | Bootstrap | JS**
- Collaborating with library managers and student workers to develop a comprehensive, yet user-friendly online website for Bowdoin College's ILL department. Website allows staff to quickly reference any job-related tasks, managers to see performance reports, and new students to learn more about Interlibrary Loan.
- Utilized **HTML** and **CSS** for the basic layout and **Bootstrap** and **JavaScript** for enhanced website responsiveness and a user-friendly layout.
- Designed the ILL Logo using **Adobe Illustrator**

Sudoku Solver   **Java**
- 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 | Project Link   **Python**
- Implemented a 2D infinite runner game utilizing **PyGame**
- 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 Administrative Hub 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

Asian Student Association (ASA), Brunswick, Maine   **September 2023 – Present**
- Increasing awareness and actively participating in the multicultural events sponsored by the ASA

TECHNICAL SKILLS

Languages: Python, Java, HTML5, CSS, JavaScript
Libraries / Frameworks: Bootstrap, PyGame
Art Software: Adobe Illustrator

ADDITIONAL SKILLS

Languages: Mandarin (Native)
Interests: Camping, Pop and Folk Music, Dystopian Movies, Rock Climbing, Basketball, Laser Tag