

ZAI YANG

609-727-9067 | zyang@bowdoin.edu | github.com/yangz112504 | linkedin.com/in/zai-yang/

EDUCATION

Bowdoin College, Brunswick, Maine

B.A. Computer Science (GPA: 3.88/4.0)

Expected May 2027

Relevant Coursework: Data Structures & Algorithms, Linear Algebra, Foundations of Computer Systems, Distributed Systems, Artificial Intelligence, Programming with React, Node, MongoDB

TECHNICAL SKILLS

Languages: JavaScript, Python, Java, HTML5, Go, C, CSS, Git

Libraries / Frameworks: Next.js, React, Node.js, Vitest, Jest, React-Redux, Bootstrap, PyGame

Software Development Tools: GitHub, VSCode, Railway, Agile (Scrum)

Other: Adobe Illustrator, Adobe Premiere Pro

WORK EXPERIENCE

L.L.Bean, Freeport, Maine

June 2025 – August 2025

Software Developer Intern

- Developed a high-performance front-end platform using Next.js, seamlessly integrating with L.L.Bean's customer detail API for a modern, user-centric interface. Optimized data retrieval, troubleshooting, and onboarding for Customer Service Reps.
- Implemented comprehensive unit and integration tests using Vitest to ensure code reliability, scalability, and maintainability across the application stack.
- Collaborated in an Agile Scrum environment to deliver production-ready features.

Interlibrary Loan (ILL), Brunswick, Maine

January 2024 – January 2025

Co-Web Developer / Lending and Document Delivery Assistant

- Reduced new employee training time by 50% by implementing an informative and user-centric website layout with HTML5, CSS, Bootstrap, and JavaScript and engaging visuals with Adobe Illustrator.
- Lead development of the ILL's internal website, enhancing accessibility for over 10 staff members.

PROJECTS

Personal Website: yangz112504.github.io/

[Yang Plant Nursery](#)

- Developed an interactive e-commerce platform using React, with reusable components and React hooks (useState, useEffect) to dynamically manage states and render a responsive product catalog.
- Implemented robust cart functionality using Redux Toolkit, enabling global state management for instantaneous updates to cart operations.
- Optimized user experience by integrating dynamic UI updates, real-time total calculations, and intuitive navigation.

[Yang Travel Agency](#)

- Engineered a scalable, RESTful API using Golang to deliver travel-related data in structured JSON responses, ensuring high performance and cross-origin compatibility through CORS configuration.
- Developed a dynamic front-end in JavaScript to fetch and render API data in real-time, enabling seamless data loading and content generation.
- Deployed the API on Railway, ensuring public accessibility, demonstrating full-stack proficiency in back-end, front-end, and deployment processes.

[Spotify Clone](#)

- Replicated Spotify's web-application interface, focusing on closely mimicking Spotify's layout
- Gained experience developing in HTML, CSS, and Bootstrap for responsive web design and user interface development.

Sudoku Solver

- Implemented an automatic Sudoku Solver in Java that solves puzzles of different sizes and complexities.
- Optimized solving time by integrating an advanced recursive backtracking algorithm.

LEADERSHIP AND ACTIVITIES

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

September 2023 – Present

- Training 20 hours per week with teammates and coaches by participating in daily practices and bi-weekly competitions, demonstrating dedication and teamwork.

Asian Student Alliance

- Actively promoting Asian cultural awareness around campus.

PERSONAL

Interests: Basketball, Backpacking, Cooking, Camping, Dystopian Movies, Impractical Jokers