

IVAN ZHANG

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EDUCATION

Lehigh University

Bachelor of Science in Computer Science, GPA: 3.52

Bethlehem, PA

Expected Graduation: May 2025

TECHNICAL SKILLS

Languages: Python, TypeScript / JavaScript, Java, C / C++, C#, R, SQL, HTML / CSS

Frameworks: Next.js, React, Express.js, Node.js, .NET, Spring Boot, Jest, Cypress

Tools: MongoDB, PostgreSQL, Oracle, Firebase, AWS, Git, GitHub, Docker, Postman, Bash, Linux, Maven, Agile

EXPERIENCE

Lehigh University - Computer Science Department

Sep 2024 – Present

Software Developer Intern

Bethlehem, PA

- Developing a web application for professors and students to plan food orders for meetings, streamlining coordination for **100+** Lehigh University events
- Building out front-end UI for the event management, ordering, and admin interfaces with TypeScript and React
- Integrating meeting scheduling and food order management systems using PostgreSQL and Java

Comcast - NBCUniversal

Jun 2024 – Aug 2024

Software Engineer Intern

New York, NY

- Migrated a financial reports application to a modern technology stack, improving data visualization and cutting processing time of reports **by 25%**
- Built an admin snapshot module with full CRUD functionality with TypeScript and .NET, enabling intuitive data table visualizations for the accounting department
- Implemented **over 8** core features using React, including a dynamic dashboard, reports generation, downloading functionality, and graph visualizations

Lehigh @ Nasdaq Center

Jan 2024 – May 2024

Software Engineer Intern

Remote

- Implemented key functionalities using TypeScript and Jest for an internal payment application at Studio Corsair, **boosting payroll efficiency by 50%**
- Integrated TimeDoctor and Revolut APIs to automate payments based on tracked hours, ensuring accurate and timely payroll management

New York City Housing Development Corporation

Jun 2023 – Aug 2023

Application Development Intern

New York, NY

- Developed an HR application with C# and .NET to manage employee data through a data table, cutting the employee badge printing process time **by 50%**
- Streamlined IT operations by creating **over 20 digital workflows** with Formstack for policies and equipment management

Lehigh University Library & Technology Services

Aug 2022 – Sep 2024

Web Developer

Bethlehem, PA

- Managed **160+** Lehigh University websites, resolving front-end issues in HTML, CSS, JavaScript to ensure functionality and consistency
- Migrated **300+** web pages from Drupal 7 to 9, enhancing performance and updating themes

PROJECTS

Lutron Floor Plan Application | NextJS, TypeScript, Firebase, Jest, Socket.IO

Jan 2024 – Dec 2024

- Built a real time collaborative application for Lutron liaisons to upload and annotate floor plans, improving collaboration efficiency **by 50%**
- Designed the front end with React, and leveraged NextJS and Firebase for floor plan storage and retrieval
- Developed real-time annotation functionality with Socket.IO and FabricJS for seamless multi-user interaction