Ivan Zhang

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EDUCATION

Lehigh University   Expected May 2025
Bachelor of Science in Computer Science - GPA: 3.46   *Bethlehem, PA.*

WORK EXPERIENCE

Comcast NBCUniversal - Software Engineer Intern | *Remote*   Jun 2024 – Aug 2024
- Revamped a legacy financial reports application using TypeScript, React, and .NET, improving the processing of financial data and enhanced visualizations
- Implemented an admin module enabling admins to manage financial snapshots through CRUD operations within a data table
- Developed key functionalities for the application, including a dashboard, report downloading, graph visualization, and multiple front-end views for report data

Studio Corsair - Software Engineer Intern | *Remote*   Jan 2024 – May 2024
- Developed core features for an internal payment software application, resulting in a 50% improvement in the company's payroll processing efficiency (TypeScript, Jest, Postman, Linux)
- Integrated TimeDoctor and Revolut APIs within the application to automate payments to employees based on tracked work hours
- Updated outdated software dependencies and incorporated ESLint rules into the GitHub workflow, ensuring best coding practices

NYC Housing Development Corporation - Application Development Intern | *New York, NY.*   Jun 2023 – Aug 2023
- Developed an application for the human resources department to manage and manipulate employee information, reducing the employee badge printing process time by 50% (C#, .NET, ASP.NET)
- Optimized operational efficiency for the IT Department by creating over 20 digital workflows using Formstack for company policies and equipment management
- Leveraged KnowledgeLake to index financial documents, enabling seamless data retrieval for the accounting department

Lehigh University Web & Mobile Services - Web Developer | *Bethlehem, PA.*   Aug 2022 – Present
- Maintain over 160 websites across Lehigh University by addressing front-end issues via Jira ticket requests, ensuring consistent and up to date functionality (HTML, CSS, JavaScript)
- Improved overall website accessibility score by 10% across all Lehigh's websites by using Dubbot to identify and resolve accessibility concerns
- Completed content migration and theme updates of over 300 web pages from Drupal 7 to 9

PROJECTS

Capstone - Lutron Floorplan | *NextJS, TypeScript, Firebase, Cypress, Jest*   Jan 2024 – Present
- Engineering an application for Lutron that enables professional liaisons to annotate floor plans in real time with multiple collaborators
- Created software architecture diagrams and documentation, and conduct weekly presentations to Lutron's software engineers to gather feedback and drive iterative improvements

TECHNICAL SKILLS

Languages: Python, TypeScript / JavaScript, Java, C, C++, C#, R, SQL, HTML, CSS, Dart
Frameworks: Next.js, React, Express, Node, Flutter, Flask, .NET, Jest, Cypress, JUnit
Databases: MongoDB, PostgreSQL, Firebase, Supabase
Tools & Technologies: Git, Agile, Scrum, Kanban, Postman, Jira, Drupal, Bash, Linux, Maven