Ivan Zhang

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EDUCATION

Lehigh University Aug. 2021 – May 2025

Bachelor of Science in Computer Science *Bethlehem, PA*

EXPERIENCE

Web Developer Aug. 2022 – Present

Lehigh University Library & Technology Services *Bethlehem, PA*

- Maintained over 160 university websites by addressing front end issues, and updating or adding web content via Jira ticket requests (HTML/CSS, JavaScript)
- Completed migration of over 300 web pages to Drupal 9, involving content migrations, configuration changes, and themes updates
- Improved overall website accessibility score by 10%, utilizing Dubbot to identify and resolve accessibility concerns related to web governance, broken links, and spelling & readability issues

Software Engineer Intern - Application Development June 2023 – Aug. 2023

New York City Housing Development Corporation *New York, NY*

- Accelerated employee badge printing process by 50% for the human resources department by developing an application with C#, .NET, and ASP.NET to easily manipulate and search employee data
- Led meetings, discussed improvements and implementations to existing applications, and communicated with cross-functional teams in an Agile setting
- Improved operational efficiency for the IT Department by digitizing over 20 rule-driven workflows form regarding policies and equipment management with Formstack

Information Technology Intern June 2022 – Aug. 2022

Peak Systems, Inc. *New York, NY*

- Improved overall work productivity of over 40 CitiBank employees through technical support, addressing & troubleshooting any computer hardware and software issues
- Reduced company equipment downtime by maintaining accurate inventory of company hardware through documentation and organization
- Reconfigured and aided in the setup of PCs, and other computer hardware for CitiBank employees

Fintech Focus Fellow June 2021 – July 2021

Giant Machines *New York, NY*

- Participated in an immersive program sponsored and hosted by a consortium of financial institutions (Bank of America, Goldman Sachs, JPMorgan Chase) to gain a foundational understanding of the FinTech sector
- Built full-stack web applications using the Flask web framework, MongoDB, Python, HTML, and CSS
- Developed and iterated upon prototypes and Minimum Viable Products (MVPs), which culminated in presentations of a final web application

PROJECTS

Skytrail Social Media Platform | *React, TypeScript, Flutter, Java, ElephantSQL, Jest* Aug 2023 – Dec 2023

- Full-stack application that leveraged React frontend, Flutter for mobile front end, ElephantSQL to store user profiles, messages/comments and files, and Java (Maven) to create API routes
- Implemented Google Sign-In OAuth 2.0 for secure authentication, and maintained code versioning with BitBucket
- Utilized JUnit for back end unit testing and Jest for front end unit tests

G−Box | *React, Node, Express, MongoDB* Aug 2023 – Dec 2023

- Developed a game launcher for users to play various browser games (Solitaire, Pac-Man) that leveraged React frontend, MongoDB to store games and users, and Express/Node for API route creation

TECHNICAL SKILLS

Languages: Python, TypeScript, JavaScript, Java, C, C++, C#, SQL (Postgre), R, Rust, HTML, CSS
Frameworks & Databases: React.js, Express.js, Node.js, .NET, ASP.NET, MongoDB, ElephantSQL, Flask, Flutter
Tools & Technologies: Git, Trello, Postman, Agile Methodologies, Formstack, Drupal, Figma, Git Bash, Maven