

Wenting Zheng

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Experienced software developer with a strong foundation in database management, frontend and backend development, 3+ years of industry experience working effectively within diverse team environments.

EDUCATION

Master in Computer Science

University of California, Irvine

Sep 2022 – Dec 2023

Irvine, CA

B.S. in Computer Science

North Carolina State University; GPA: 3.95/4.00; Dean's List for six semesters

Jan 2016 – Dec 2019

Raleigh, NC

PROGRAMMING SKILLS

Languages: C# (3 yrs), Python (3 yrs), Java, C++, SQL/NoSQL, JavaScript/TypeScript, HTML/CSS, Matlab

Libraries: Pandas, BeautifulSoup, REST API, React, Django, LLM, Bootstrap, ASP.NET, Angular, NodeJS

Tools: PostgreSQL/MySQL, PyTest, PyUnit/JUnit, Selenium/Cucumber, Hadoop, Git/TFS, Jenkins, Docker

WORK EXPERIENCES

🔗 Java Developer Intern

Jun – Sep 2023

ProMazo Inc., South Bend, IN (engaged in Charles Schwab projects)

- Implemented efficient **SQL** procedures to handle table segmentation, **TB-scale** data migration, and elimination of unneeded partitions, reducing data transfer time from 2+ months to hours/days.
- Ensured data integrity by implementing rigorous data validation procedures for Billing team.

🔗 Full Stack Developer

Jan 2020 – Aug 2022

EDJ Enterprises Inc., Raleigh, NC

- Developed functionalities, including job scheduling, task reporting, location management, and customizable display within StoreGazer, serving retailers ranging from 2 to **2000+** locations worldwide.
- Designed 20+ dynamic and cross-browser webpages using **C#, Devexpress, SQL, and JavaScript**.

🔗 Software Developer Intern

May – Jul 2019

EDJ Enterprises Inc., Raleigh, NC

- Integrated StoreGazer's Job Management system with remote Windows Task Scheduler using **C# and ASP.NET**, streamlining task automation and reducing **80%+** of human errors in production deployments.

🔗 Web Management Intern

Mar 2017 – Dec 2019

Office of Information Technology at North Carolina State University, Raleigh, NC

- Provided **campus-wide WordPress support** for **400+** departments, centers, and units, overseeing content updates and **PHP** plugin implementations based on client's requirements.
- Delivered security awareness and multi-factor authentication trainings, information booths, and workshops, partnering with the campus 2-Factor Authentication Project team.

PROJECTS

🔗 File Assistant | *Langchain, IBM Watson, Python, Flask*

- Implemented an AI application leveraging advanced NLP algorithms to extract valuable insights from diverse file types, enhancing document analysis efficiency

🔗 MMTrip | *Python, React, Django, Google APIs, AWS* | **IISE-CIS Mobile App Competition 1st Place**

- Built a multi-modal trip planner app, finding the best routes based on five transport modes and personalized preferences, utilizing real-time API data and machine learning-powered Uber fare predictions, with results visualized on an interactive map.

📁 Logjam.Next | *Elasticsearch, Python, Flask, Vue.js, Docker* | **Senior Design with NetApp**

- Developed a parallel log processing and analysis tool for handling over **100+ TB** of data, with the capability to detect abnormal logs and resume interrupted tasks seamlessly.

AWARDS

🔗 AI Developer Professional Certificate, 🔗 Generative AI for Software Developers: IBM

🔗 IISE-CIS Mobile App Competition 1st Place: MMTrip

📁 Diamond Hackathon 1st Place: Women in Computer Science, NC State University

🔗 Songtao Scholarship: University Performance Program