Anne Que

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EDUCATION

University of California Berkeley – Berkeley, CA Expected Graduation: May 2026
Bachelor of Science in Data Science and **Operational Research Management Science**: GPA: 4.0/4.0

University of Illinois Urbana Champaign – Champaign, IL End: May, 2024
Bachelor of Engineering in Computer Engineering: GPA: 3.94/4.0
Relevant coursework: Operating Systems and System Programming, Software Engineering, Database Systems, Data structure

SKILLS

- **Programming Languages**: Java, C++, Python, HTML, Javascript, SQL, MySQL, R,C, Matlab,Neo4j
- **Libraries/Technologies:** Redux, Express, MongoDB, Azure, Git, GitHub
- **Frameworks:** Spring, React, Node.js
- **Operating Systems**: Linux, Windows

EXPERIENCE

SimBank Financial Web - Full Stack Web Developer | Champaign, IL Jan, 2024 — Currently

- Deployed on Heroku, improving front-end performance by 30% using React.js and resolving asynchronous data loading issues.
- Implemented NodeJS with Express, applying OOP principles to design reusable components for user authentication and payment processing.
- Developed secure API endpoints for Google OAuth and Stripe, troubleshooting integration issues to ensure seamless third-party service functionality.
- Built a data pipeline using MongoDB and Datawrapper, increasing website usage by 10%, solving data inconsistencies through troubleshooting.
- Collaborated on server-side troubleshooting to optimize query performance and system reliability.

Daily News Web - Backend Developers Intern| Remote May, 2024 – Aug, 2024

- Designed and implemented a cloud-based solution using Azure App Services, Functions, and Logic Apps, collaborating with cross-functional teams to achieve a 25% increase in application performance.
- Worked closely with stakeholders to automate workflows using Azure Logic Apps for daily news email notifications and data processing, improving operational efficiency and reducing manual tasks.
- Optimized Azure environment with Azure Advisor to reduce overall cloud costs
- Utilized R for statistical analysis and automation optimization, improving data processing workflows and enhancing Azure Logic Apps performance for daily news email notifications.

Microsoft student Ambassadors| Remote Nov, 2023 – May, 2024

- Mastered Azure cloud services to develop AI models, gaining proficiency in cloud computing and machine learning pipelines
- Designed AI-focused workshops, educating peers on leveraging Azure for AI model creation and software-hardware integration
- Engaged with Microsoft Learn's educational content to master new technologies, earning certifications and badges in various technical domains

PROJECTS

Traffic Analysis and Vehicle speed estimation

- Utilized Python SDK and YOLOv8 model to analyze traffic patterns and vehicle movements for effective traffic analysis
- Leveraged Supervision to extract traffic video frames, process car frames, and draw detection and movement paths using TraceAnnotator
- Applied the Roboflow model and OpenCV to calculate and display vehicle speeds accurately for enhanced traffic monitoring

Design and Implementation of Java-like Garbage Collector for C Programs(Linux)

- Gained deep understanding of memory management issues in C/C++, including memory corruption and leaks, and implemented a solution to address these challenges.
- Designed and implemented a generic library capable of parsing and manipulating any application's data structures to detect memory leaks.

AFFILIATIONS

CodePath |Community Member | Remote May 2024 – Current
Python Web Developer | Community Member |Remote Sep 2023 – Current
Microsoft student Ambassadors | Beta | Remote Nov 2023 – May 2024