

# Lina Zhu

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## PROFESSIONAL EXPERIENCE

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### IBM RESEARCH

Yorktown Heights, NY

#### Quantum Software Developer Intern

May 2023 - Aug 2023

- Assisted in the development of a service that wraps around the quantum compiler
  - Integrated a REST API quantum calibration service with a job builder using asynchronous Python programming
  - Developed asynchronous NATS endpoints to allow users to communicate with the compiler and to mock calls to other related services
- Assisted in the development and stream lining of error codes for the quantum operating system
- Developed a script that allowed for visualization of the graph representation of configuration data structures
- Technologies: Python, NATS (Message Oriented Middleware service), REST API, Rust, Linux, Docker

### LIBERTY MUTUAL

Dover, NH

#### DevOps Engineer Intern

May 2022 - Aug 2022

- Migrated software and databases from old legacy systems to Microsoft Azure cloud servers
- Parameterized and modified legacy DSC files to a more generic, reusable state using Powershell
- Assisted in the deployment of applications from Microsoft Azure cloud servers
- Participated in agile scrum practices and communicated effectively with my team
- Technologies: Windows, Microsoft Azure, Powershell, Ansible

### TECH FOR GOOD

Sharon, MA

#### Full Stack Development Intern

May 2021 - Aug 2021

- Worked on a cloud communication software that reduced costs of cloud services for small businesses using spot instances
- Successfully implemented Azure cloud server interface into an API
- Designed an intuitive user interface for the website and implemented a skeleton using React
- Interfaced with the cost reducing service
- Technologies: Java, React, JavaScript, AWS/Azure, Figma

## EDUCATION

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### BOSTON UNIVERSITY

Boston, MA

*Bachelor of Arts, Physics and Computer Science*

2020-2024

## ADDITIONAL INFORMATION

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- Program Management: Agile (SDLC), Resource Planning, Jira, Adobe Photoshop, Microsoft Office
- Other Technical Skills: Qiskit, Git, SQL, Flask, Jupyter Notebook, NumPy, Pandas, HTML/CSS, C/C++, Fortran
- Relevant Coursework: Quantum Computing, Introduction to Computational Physics, Graduate Algorithms, Foundations of Data Science, Quantum Physics
- Extracurriculars: Verge (Classical Chinese Dance Company), Society of Asian Scientists and Engineers, Women in CS, Girls who Code