

# Weifan Li

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## EDUCATION

### Master of Science in Computer Science

Northeastern University (GPA: 4.0/4.0)

Jan. 2024 – Dec. 2026

Vancouver, BC

### Bachelor of Science in HNFE (Human Nutrition, Foods, and Exercise)

Virginia Polytechnic Institute and State University (GPA: 3.7/4.0)

Aug. 2018 - Jan. 2022

Blacksburg, VA

## EXPERIENCE

### Backend Web Developer Intern

Qihoo 360

Oct. 2022 – Jan. 2023

Beijing, China

- Contributed to the development of STARK, Qihoo 360's internal Data Middleware Platform supporting system management, data asset cataloging, permission control, and task scheduling.
- Designed and implemented secure, scalable Spring Boot microservices (user management, data source registry, access control) with clear REST API contracts, data validation, and role-based authentication.
- Integrated MyBatis and MySQL to build reliable, testable service layers; optimized queries and schema usage for high-volume data operations.
- Supported large-scale data workflows across Hive/TiDB/MySQL by exposing service endpoints for automated asset cataloging and report generation, leveraging scripted APIs and secure data pipelines.
- Hardened backend scheduler and automation pipeline with log-driven debugging, monitoring, and fault-tolerant logic refactoring, reducing recurring failures by 40% and improving system reliability for incident-response workflows.
- Collaborated with UI/analytics/product to align API payloads and SLAs; authored onboarding docs and runbooks to streamline adoption and operational support.

## PROJECTS

### Stock Trading Practice App (*Python, Flask, SQLite*)

- Built a trading simulator using Flask and SQLite with real-time market data (IEX Cloud), focusing on reliable backend logic, data integrity, and input validation for secure transactions.
- Designed REST endpoints and database queries for low-latency portfolio updates; added dashboard tables/charts to improve UX and decision-making.

### Personal Blog/Website (*React, Node.js, MongoDB*)

- Developed a full-stack blog application using React (frontend) and Node.js/Express (backend) with secure authentication and CRUD functionality.
- Designed and implemented RESTful APIs with authentication and access control, leveraging MongoDB with Mongoose for secure data storage and retrieval.
- Built a responsive UI with React Router and integrated a rich text editor to enhance usability and user experience.

## TECHNICAL SKILLS

**Languages & Tools:** C, Java, Python, JavaScript, SQL, Git

**Backend & Cloud:** Spring Boot, Flask, Node.js/Express, REST APIs, Microservices, Security-minded microservices

**Frontend & Others:** React, HTML/CSS, MongoDB, MySQL/SQLite, JUnit, Unix/Linux, Networking (HTTP/TCP/IP)

**Coursework:** Algorithms, Computer Systems, Databases, Web Dev, Cloud Computing, Object-Oriented Design