

# Troy Mei

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## WORK EXPERIENCE

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### **BNY Pershing**

**New York, NY**

*Software Engineer*

*2021 - 2023*

- Created the primary investor overview and balances page for Pershing's web platform using Angular, Node, and MongoDB with Spanish and ADA themes which increased user accessibility
- Implemented REST APIs using Java Spring Boot to support portfolio management, account aggregations, performance reporting, and other data elements needed for the frontend such as balances, portfolio holdings, and account activity
- Developed the core balance view page and modeled transactions and balances to account for complex account to balance relationships
- Identified and removed redundant service calls and created SQL indexes to optimize queries for the account switch action, reducing page load latency by over 30%
- Increased overall test coverage of critical Angular components and RESTful services to over 75% by creating more automated unit and integration tests in Jasmine and JUnit as a multi-team effort to reduce bugs and ensure overall functionality

### **BNY Mellon**

**New York, NY**

*Software Engineering Intern*

*Summer 2020*

- Implemented a pricing engine using Java Spring Boot and Redis for caching, enabling the Asset Servicing team to offer real-time pricing data to clients within 2 months
- Collaborated with the UI/UX team to implement a bid submission workflow using Angular, automating and streamlining a manual internal process
- Revamped end-to-end tests through in-depth analysis of feature requirements for critical frontend components and RESTful services, ensuring comprehensive code validation and 100% passing rate

### **Prove**

**New York, NY**

*Software Engineering Intern*

*Summer 2019*

- Developed a user authentication system using Python Flask and GraphQL, which gave users the ability to toggle between instant authentication and one-time passwords for faster verification and increased security
- Collaboratively designed and implemented wireframes for user onboarding, user verification, and profile management for both web and mobile screens, thereby increasing user acquisition funnel

## EDUCATION

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### **New York University**

**New York, NY**

*Bachelor of Science in Computer Science*

*2017 – 2021*

## SKILLS

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### **Languages**

- Java, Python, JavaScript, TypeScript

### **Other**

- Spring Boot, Angular, React, Flask, Node, Redux, MongoDB, MySQL, GraphQL, Jasmine, Junit, Git, HTML, CSS