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Christine Lai

Software Developer

Personal Website
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Technical Experience

Software Engineer

Aug 2022 — Present

BlackRock

New York, NY

- Optimize scheduled tasks to maintain consistent portfolio data across caches while reducing API calls for efficiency.
- Build out new interactive and user-friendly frontend console from scratch using Angular for portfolio managers.
- Maintain >80% code coverage on new and existing code through Mockito, Junit testing.
- Completed Java Developer Certificate by building Spring and Java application to fetch data from SQL database.

Software Engineer Intern

Jun 2021 — Aug 2021

BlackRock

New York, NY

- Used Java to write scalable backend functionality for onboarding new clients from eFront acquisition.
- Built APIs using gRPC and protobufs to fetch and persist 1000+ transactions across a Cassandra-based data system.
- Wrote unit tests using JUnit for all code written and manually tested API calls through Postman.
- Integrated frontend interface with backend APIs to give a working live demo to product managers.

Validation Intern

Jun 2020 — Dec 2020

Intel Corporation

Hudson, MA

- Wrote Python script that performs file parsing for two .log files simultaneously, generating combined output.
- Developed a Perl script to convert XLS and CSV files into XMLS format to be used by post-silicon DFTB tools.
- Cross-checked feature functionalities and architectural plans against RTL code through Verdi waveforms.
- Debugged failures appearing in testlists and modifying test sequences in SystemVerilog to match RTL.

Fullstack Developer

May 2019 — May 2020

New York University

New York, NY

- Created responsive webpages, with dynamic forms and pages, using ReactJS, HTML, Redux, and Ant Design.
- Fetched and sent data to database of 1500+ students using PHP and MySQL with strict security practices.
- Updated codebase after research on state management tools and brought team members up to speed on Redux.
- Integrated unit, functional, and acceptance testing of working and launched applications using Codeception.

Education

Bachelor of Science in Computer Science, Economics, New York University Stern School of Business

May 2022

GPA: 3.75/4.0, University Honors Scholar

Relevant Coursework: Basic Algorithms, Natural Language Processing, Machine Learning, Applied Internet Technology

Awards and Clubs: 3rd place at NYU's VC Competition, Strategic Venture Society, Business Analytics Club

Skills

Languages	JavaScript, React, TypeScript, Java, Python, PHP, Angular, HTML/CSS, SQL, C, C++, Perl
Tools	MongoDB, Git, Cassandra, Spring, Matlab

Projects

Classification of Music Database, Python

May 2022

- Used and analyzed machine learning classification models such as t-SNE, MDS, and PCA after cleaning up data.

Public Bathroom Map, Javascript, MongoDB, Heroku

April 2022

- Yelp-like website for finding bathrooms, built with Google Maps API and MongoDB for storing submissions.

Interests

Dog parks, hiking, Jigsaw puzzles, sourdough, swimming, reading, ultra running, skiing, Yelp.