

Whitney Mulhern

Consistently produces clean, efficient code

EXPERIENCE

IBM

New York, NY

2018-present

Software Engineer

- Design and develop new features of an internal tool with a small team using ReactJS
- Improve accessibility of the internal dashboard tool
- Upgrade dashboard as technologies develop and improve
- Debug, improve usability, efficiency, and correctness of 20,000+ line codebase

2017-2018

Security Engineer

- Corrected 100s of database errors per day with a JavaScript agent (~100 LOC)
- Curated a training course of best security practices for team

Qwake Technologies

New York, NY

2019-2021

Independent Contractor (Software Engineering / AWS Solutions)

- Lead design and implementation of AWS solution using Serverless
- Designed and maintained Typescript REST API
- Supported system-wide end-to-end QA and debugging efforts
- Oversaw developer workflow, code review, and overall project operations for entire system and engineering team

LGS Innovations

Florham Park, NJ

2016

Cyber Security Research Intern

- Designed an Intrusion Detection Tool for an IoT device using ML, R, and Python
- Debugged and improved usability of a 10,000+ line codebase

NYU Courant Institute of Mathematical Sciences

New York, NY

2015

Research Assistant

- Proved compatibility by developing a secure JavaScript client and integrating with a C++ back end
- Co-wrote the research paper published in Networked Systems and Design and Implementation 2016

EDUCATION

B.S. Computer Science, New York University

2017

B.S. Computer Engineering, New York University

PUBLICATIONS

"Scalable and private media consumption with Popcorn" NSDI'16.

Gupta, T.; Crooks, N.; Mulhern, W.; Setty, S.; Alvisi, L.; and Walfish, M.

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RECOGNITION

2016

Influenster Code Like A Girl
Scholarship

2012

Women in Science and
Engineering Award

SKILLS

I'm good at...

JavaScript	AWS
React	Python
SQL	Linux

I'm familiar with...

TypeScript	C++
C	

I've briefly worked with...

Assembly	Java
Ruby on Rails	PHP

INTERESTS

Dance
Theater
Systems Code
My Dog, Teddy