

Jason Yan

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EDUCATION

CARNEGIE MELLON UNIVERSITY

BS IN ELECTRICAL AND
COMPUTER ENGINEERING
May 2016 | Pittsburgh, PA

CERTIFICATIONS

COURSERA

Bootstrap
Angular

COURSEWORK

SOFTWARE

Web Application Development
Software Construction
Software Engineering
Computer Systems
Functional Programming

HARDWARE

Embedded Systems Design
Embedded Real-Time Systems

TECH STACK

FRONT

JavaScript
React
Django
jQuery
HTML5
CSS

BACK

Java
Python
Hadoop
Hive
Oozie
Sqoop
C

VCS

Git

EXPERIENCE

BNY MELLON | SOFTWARE DEVELOPER

Feb 2017 - Present | New York, NY

- Halved execution time of monthly Hadoop jobs by optimizing Oozie workflows and Hive query logic
- Wrote an extensible, flexible Bash program to generate ad-hoc customer balance reports
- Built a monitoring system used on a daily basis to validate database health
- Created a tool to adjust inconsistencies in account deposit information without loss of data integrity

NYSNETECH | SOFTWARE ENGINEERING INTERN

May 2015 - Aug 2015 | Shanghai, China

- Tasked with front-end work, learned and used React to develop a featureful chat client
- Wrote WebSocket code to log user messages, worked on conversation history feature

CHEMCOLLECTIVE | RESEARCHER

June 2014 - Aug 2014 | Pittsburgh, PA

- Tasked with developing and maintaining the Virtual Laboratory website
- Fixed PHP code to correctly manage user session data and log student progress on class assignments
- Built a homepage for teachers to use to manage classes, students, and assignments

PROJECTS

DOMINION

- Designed a web-based multiplayer card game using JavaScript, React, Node.js, and Express.js
- Sent and received player actions and triggered events in realtime with Socket.IO
- Used a tree-based event system to handle complex chains of player actions and reactions
- Managed game state server-side and cached player data, allowing players to reconnect to a game after a disconnect

GRUMBLR

- Implemented a blogging website using Python framework Django and deployed using DigitalOcean
- Delivered feed content to users by way of asynchronous Ajax calls
- Included user authentication, email verification, photo upload, and follows