

Jeffrey Wong


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WORK EXPERIENCE


Yext 

Software Engineer II — Core Platform

New York, NY

Aug 2020 - Present

- **Developer Console:** Migrated our logging analytics platform to read from Snowflake instead of Elasticsearch, which optimized page queries, increased system scalability, and allowed ES6 clusters to be decommissioned completely.
- **Emails:** Architected end-to-end functionality for our Self-Serve Brand White-labeling product. Tracked SLO performance of our Emails service, which sends >1 million emails a month, by creating Grafana dashboards to read from Prometheus telemetry. Wrote Slack alerts to proactively detect periods of potential Email service outages.
- **Task Processing:** Created new S3 buckets to store task audit reports, which enabled sharding per environment and allowed our existing legacy S3 store to be deprecated. Added support for TaskUs bots to process certain tasks on a scale of millions of tasks, which had an immediate cost savings of \$12,000/year.
- **Infrastructure:** Partitioned existing team services into individual TeamCity jobs. Created new All build chains to simplify deployment in our existing CI/CD pipelines. Added scheduled build triggers to deploy our services automatically to production every week.
- **Leadership:** Owned multiple tech designs and led initiatives for revamping our core App integrations product, which enables third-party developers to leverage the Yext API in the form of Apps. Collaborated with Product to meet deliverable deadlines.

Yext 

Software Engineering Intern — Pages

New York, NY

Summer 2019

- **Self-Serve Pages:** Built and released a Page Set cloning feature, which allows customers to copy existing page set templates. Optimized Pages backend by triggering republishes on linked entities and batching entity updates by business. Reduced load on our publishing flow by identifying non-deterministic state due to inconsistent sorting logic.
- **Landing Pages Modules:** Refactored a command line tool that can upload, download, and preview predefined Page modules to include metadata. Allows Yext modules to be easily updated using Config-as-Code via *meta.json* files.
- **Tooling:** Added telemetry to our Sites Preview service to capture performance for the status of incoming HTTP requests, using PromQL to generate metrics in Prometheus.

Lockheed Martin 

Software Engineering Intern — RMS

Manassas, VA

Summer 2018

- **Signal Processing:** Conceptualized a submersible, threat detection system by programming an Arduino to process and send out signals using Java and MATLAB. Ran environmental testing on the Arduino prototype.
- **Scripting:** Created a Python script to automate data retrieval and visualize performance of LTO-6 tape drives.
- **Clearance:** Granted an Interim Secret clearance during this internship.

EDUCATION

Cornell University 

B.S in Computer Science w. Dyson Business Minor

Ithaca, NY

Class of 2020

- **Teaching Assistant:** CS 4700 (Foundations of Artificial Intelligence)
- **Organizations:** Poseidon Dragon Boat Team, Cornell Badminton
- **Awards:** Engineering Dean's List (x2)

TECHNICAL SKILLS

Languages: Java, Javascript (React), Python, Go, SQL **Technologies:** Play!, gRPC, S3, Elasticsearch, Docker, Git