

Dylan Powers

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EDUCATION

Duke University – Pratt School of Engineering

Durham, NC

B.S.E. in Electrical and Computer Engineering, B.S. in Computer Science, Minor in Economics

May 2020

Honors: *Cum Laude* (GPA 3.8/4.0), *Dean's List* (F16, F17, S18, F18, S19, F19)

Coursework: Data Structures & Algorithms, Artificial Intelligence, Design & Analysis of Algorithms, Computational Genomics, Computer Network Architecture, Digital Systems, Operating Systems, Probability, Linear Algebra

WORK EXPERIENCE

Addepar

New York, NY

Software Engineer - Addepar Management Platform

November 2021 – Present

- Spearheaded effort to improve scalability, speeding up select workflows by 19,000%, 542%, and 540%.
- Implemented bulk import for billable portfolios, decreasing time spent to onboard new clients by 3+ hours.
- Added bill date and status filters for the billing module, reducing average time spent in the module by 10%.

Yext

New York, NY

Software Engineer – Knowledge Graph

June 2020 – November 2021

- Designed and managed creation of Field Pack system for storing fields in groups rather than singularly, enabling smoother application integrations.
- Presented frontend Reducer pattern to the company through a talk and blog post, in order to speed up frontend development; four teams and counting have begun to use the pattern.
- Introduced nine novel metrics to team monitoring dashboard and onboarded team on effective use.
- Shipped redesign of new landing page for searching on Entities, decreasing average page load time compared to the previous landing page.
- Wrote technical specification and oversaw implementation of Entity Previews UI in React.
- Developed and deployed a new Java microservice with CRUD operations for acting on Entity Previews.
- Re-architected Entity Upload system to remove dependency on our Export microservice for detecting updates.

Yext

New York, NY

Software Engineer Intern – Knowledge Graph

May 2019 – August 2019

- Migrated Approvals Search mechanism from MySQL to Elasticsearch, speeding up search queries by 23%.
- Implemented message handlers to listen to updates from RabbitMQ and apply to Elasticsearch documents.
- Designed architecture diagram for Scheduled Updates service to decrease onboarding friction.

OurSpace

Durham, NC

Software Engineer

September 2019 – April 2020

- Proposed and transitioned existing build system from Maven to Bazel to produce more incremental builds.
- Presented POC for migrating data pipeline from JSON to Protobuf, resulting in quicker product iteration.
- Built Activity Log Server using Java and deployed to AWS using EC2, ECS, and ECR.

Tanium

Morrisville, NC

Engineering Intern

May 2018 – November 2018

- Created data normalization service for Asset product, allowing users to define custom regular expressions to normalize software reports as they come in, as requested by several Fortune 500 companies.
- Wrote an algorithm to delete duplicate entries after normalization, decreasing average DB size by 10%.
- Created client with AngularJS for users to manage, update, and delete normalization mappings.

PROJECTS

Tilde

Fall 2022

- Created a personal homepage with widgets for todos, reading lists, personal goals, etc.
- Developed in TypeScript with a React frontend and a Node.js backend, using a GraphQL API.

Krafthouse Trivia Web App (Project Leader)

Fall 2019

- Led team of 8 students creating a web app for weekly trivia contests with 80+ weekly participants.
- Created a client with React and used Firebase for storage.

SKILLS, ACTIVITIES, & INTERESTS

Programming: *Advanced* – Java, JavaScript; *Intermediate* – HTML/CSS, SQL, Python; *Familiar* – C, Matlab, Swift

Technologies & Frameworks: Git, GraphQL, React, Bazel, Buck, Protobuf, Docker, Jenkins

Interests: Web app development, blogging, entrepreneurship, running, snowboarding, basketball, reading, travel