**Zefeng (Daniel) Wang**

*No sponsorship required* | Princeton Junction, NJ

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**EXPERIENCE**

**Full-Stack Software Engineer** *@ Datadog July 2022 – Present*

* Building the Incident Management app to enable accelerated incident resolution time (Python, TypeScript, Go)
* Iterate on customer feedback & develop features to improve user experience (ex. private incidents, workstreams)
* Collaborate across teams to provide integrations for chat (Slack) and internal features (dashboards, graphing, etc.)
* Enhance culture by participating in processes such as mentoring interns, interviewing, and planning team events

**Fall Software Engineering Intern** *@ Tesla September – December 2021*

* Enhanced observability for multiple microservices (Go, Python) by implementing distributed tracing using Sentry to identify bottlenecks resulting in significant (>50%) decreases in p95 run time for various API endpoints
* Reduced friction in developer experience by implementing Tilt and Helm charts to run app in local K8s cluster
* Migrated event streaming from RabbitMQ to Kafka to improve scalability and reduce downtime for users

**Engineering Summer Analyst** *@ Goldman Sachs June – August 2021*

* Productionized financial reporting program and conducted user acceptance testing with product owner
* Revamped API queries to ensure data is more highly available using internal modelling/functional language (PURE)
* Leveraged caching and abstracted implementation to decrease flakiness and improve speed by 30% for calculator

**Software Developer Co-op** *@ Intuit May – December 2020*

* Improved accessibility of metrics using Java and Go on the Observability team for QuickBooks Online product
* Developed API in Go by implementing schema & CRUD functions for a MySQL database, configuring Elasticsearch index to improve search efficiency, and setting up infrastructure for Kubernetes cluster
* Improved readability of metrics using Micrometer and Hystrix (Spring), leveraging aspect-oriented programming

**Backend Web Engineer** @ *BusRight, Inc*  *November 2019 – November 2020*

* Improved web API by adding new features, enforcing test-driven development, and increasing efficiency
* Developed password reset process by adding functionality to get info from database & send emails via SendGrid
* Enforced persistent notifications by writing endpoints to get/send notifications to collections in Cloud Firestore
* Added Cloud Functions for daily database backup and profile picture functions triggered on user deletion/creation

**Project Lead, Developer** @ *Sandbox at Northeastern*  *September 2019 – April 2022*

* Led team of five to build web-based game application for research client used in study with >200 participants
* Created multiple applications, including a mobile app used in a memory study and a web app with > 50,000 users

**Core Team – Sponsorship, Tech** @ *HackBeanpot Inc*  *May 2019 – December 2021*

* Organized annual hackathon for ~200 students, raising >$20,000 and improving technical infrastructure
* Led small team in revamping judging system to be more holistic by fixing scheduling algorithm and user-facing site

**PROJECTS**

**GratitudeNU** (TypeScript, NextJS, NestJS, PostgreSQL)

* Developed full-stack application for users to play game together concurrently using NestJS server-sent events
* Implemented API using NestJS (Express.js) service/controller architecture to handle multiple users’ interactions

**MGH Video Journal** (React Native, TypeScript)

* Built mobile app using React Native that allows study participants to record videos that are uploaded to Dropbox
* Implemented Google Cloud Function to authenticate users and sends files from Cloud Storage via Dropbox API

**SearchNEU** (NodeJS, React, TypeScript)

* Developed custom components in React to improve loading times ~30x and enable simpler, filtered search
* Migrated no-SQL data store to relational database using ORM and refactored web scraper using Cheerio (jQuery)

**COMPUTER KNOWLEDGE**

* **Languages:** Python, JavaScript/TypeScript (NodeJS, React), Java, Golang, HTML, CSS, SQL, C,
* **Tools/Libraries:** Elasticsearch, Docker, Kubernetes, (Postgre)SQL, \*nix, Git(hub), Google Cloud,

**EDUCATION**

**Northeastern University**, **Khoury College of Computer Sciences** Boston, MA *Bachelor of Science in Computer Science & Business Administration (Magna Cum Laude)*  2022