Yuduo Zhao

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Experience

Revvable

FOUNDING SOFTWARE ENGINEER, FEB 2022 - PRESENT, SAN FRANCISCO BAY AREA

- ➔ Team: Commerce Engineering
- ➔ Conducted technical design of the progressive web application (PWA) architecture used in a consumer- and dealer-facing SaaS application optimized for desktop and tablet use
- ➔ Acted as the primary frontend software engineer in building the minimum viable product (MVP) of said PWA
- ➔ Implement features and fix bugs across the codebase, working with TypeScript, React, Redux, Material-UI, Golang, and MySQL
- ➔ Monitor and manage software dependencies
- ➔ Manage production releases and triage issues while on-call
- ➔ Facilitate the development of company-wide technical and design standards in weekly discussions
- ➔ Develop and manage the software engineering internship program
- ➔ Investigate and implement new technical interview questions and formats
- ➔ Interview software engineering candidates

Oracle

APPLICATIONS DEVELOPER 2, JUN 2021 - FEB 2022, REMOTE (US)
APPLICATIONS DEVELOPER 1, JUL 2019 - JUN 2021, REMOTE (US)

- ➔ Team: Primavera Cloud, a cloud-native AEC project management app
- ➔ Led daily standups as the Scrum Master of a squad of six developers/QA/BA
- ➔ Achieved 97% load time reduction of specific UI elements by improving a $O(n^2)$ algorithm to $O(n)$
- ➔ Completed major app features as the sole developer and collaborated on other app features with several developers
- ➔ Contributed fixes and new features to the in-house JavaScript UI framework for rendering large amounts of tabular and graphical data
- ➔ Investigated and resolved critical issues in an enterprise-scale Java and JavaScript code base
- ➔ Interviewed software engineering internship candidates
- ➔ Organized bi-weekly virtual team building events

UPenn CIS Department / Graduate Teaching Assistant

AUG 2018 - MAY 2019, GREATER PHILADELPHIA AREA

- ➔ Topics taught: OOP, data structures, software testing, graph theory, trees, probability, logic, proofs, induction and recursion

Dearest, Inc. / Software Engineer Intern

MAY 2018 - AUG 2018, GREATER NEW YORK CITY AREA

- ➔ Won the Wharton Startup Internship Award for this experience

Education

University of Pennsylvania / Master of Computer and Info Tech. (MCIT)
AUG 2017 - MAY 2019, PHILADELPHIA, PA, GPA: 3.91/4.00

Pennsylvania State University / Bachelor & Master of Architectural Engr.
AUG 2007 - DEC 2012, UNIVERSITY PARK, PA, GPA: 3.84/4.00, HIGH DISTINCTION

Projects

Fantasy Again (2022)

A responsive web application that allows the user to replay the 2020/21 season of Fantasy Premier League (FPL) in single-player mode, available on desktop, tablet, and mobile.

Achieved 1000+ upvotes on reddit.com and reached the front page of reddit.com/r/fantasypl.

Tech stack: TypeScript, React, Redux, Ant Design

Cloud Search Engine (2019)

A Google-like search engine hosted on AWS with over one million indexed pages. The project consists of a distributed web crawler, a distributed indexer, PageRank implemented in Apache Spark, and a Java + React web application.

Tech stack: JavaScript, React, Java, Docker, Apache Spark, AWS

Skills

➔ Go, Java, JavaScript (ES6+), TypeScript, Node.js, C, SQL
➔ React, Redux, HTML5, CSS3, Bootstrap, jQuery
➔ Git, Linux, Docker, AWS, Akka
➔ Jira, Confluence, Jenkins, Scrum
➔ 3ds Max, Revit, AutoCAD, BlueBeam, Adobe XD, Photoshop, Illustrator, Figma