Nida Pervez

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EDUCATION

Northwestern University (Evanston, IL)   June 2020
Bachelor of Arts in Computer Science, Minor in Chinese, Dean's List   GPA: 3.64/4.00

Programming Languages: Proficient in React, JS, Racket, Python,Typescript, HTML5, CSS3, C#, C++, jQuery
Tech Stack: NodeJS, Express, Jenkins, Kibana, Wavefront, and Webpack

WORK EXPERIENCE

Software Engineer, *Groupon (Consumer Web - Layout Service)*   October 2020 - Present
- Frontend web developer responsible for building and maintaining common page templates and public components for Groupon's 5M+ web pages using **React**, **Preact**, **Redux**, **Typescript**, **Playwright**, **WebPack**, and **Jenkins CI**
- Helped Core team solve the challenge of localization data not supporting **types** and automated the whole process, 10+ web teams benefited from it, refer to design document
- Developed components for an internal **Design System** built in **React** as a monorepo with the goal of creating a cohesive Groupon brand across all of Consumer Web: Felix, the "DevOps" between designers and developers
- Implemented the integration of the new Layout and localization, automated the generation from localization CMS to **TypeScript** code, and wrote a **system design** document before the code implementation.
- Developed the new Groupon Privacy Hub site independently with the legal team and implemented the dynamic display of HTML content from CMS using Design System **React** components, ultimately centralizing all legal-related documents for convenient user experience
- Increased SEO gross profit by 1.5 million and projecting 10% increase via The Merge project by transforming all Layout-Service urls to Pretty/Clean URLs
- Organized 35 "Knowledge Transfers" to share knowledge within the organization, benefiting net 500+ employees
- Mentored two interns in technical tasks and career growth and wrote two blog posts for Groupon's Engineering Blog

Software Engineering Internship, *Apple (Apple Online Store)*   June - September 2019
- Created a proof of concept collaborative shopping feature for the Apple Online Store
- Used **NodeJS**, **Express**, and node-fetch API to connect and communicate to the server
- Built interactive components using **jQuery**, HTML, CSS, and Javascript
- Presented proof of concept to a panel of directors and managers

Software Engineering Internship, *Allstate*   June - September 2018
- Created a Content Management System web application that makes accessing and editing information from the database easier and more efficient for users using **asp.NET MVC framework**, **HTML**, **Oracle Database**, and **C#**
- Developed Editable Quote, an edit feature for proposals that are sent out to customers, which allows users to streamline the quote process by seeing real-time quote updates as different options are selected - projected to increase bind rates by 20%
  - Used **C#**, **JavaScript**, **Html**, and **CSS** to implement the front end and an **XML** file to read and write to the backend

Teaching Assistant, *Northwestern University Computer Science Department*   January 2017 - June 2020
- Led and prepared materials for three sections and hosted office hours to help students with class materials and labs
- Acted as a mentor and guide for foundational Computer Science classes

INDIVIDUAL PROJECTS

Trope Tracker   September - December 2019
- Developed website and chrome extension that discovers trope-article association via crowdsourced Twitter data
- Used **ReactJS**, **NodeJS**/**Python**, and **Firebase** for the front-end, back-end, and database respectively and **Twitter API** to scrape information from Twitter

Fact Flow   April - June 2019
- Created a Google Document add-on to assist and streamline the fact-checking process for news organizations
- Used **Google script**, **Javascript** to create add-on UI and **Firebase** as backend to manage multiple Google Docs simultaneously
- Closely communicated with the design/research team to properly manage overall goals