KARAN THAPAR

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UNIVERSITY OF ILLINOIS AT URBANA-CHAMPAIGN - B.S. COMPUTER SCIENCE, CLASS OF 2018

EXPERIENCE

WALMARTLABS - SOFTWARE ENGINEERING INTERN - SUMMER 2016   San Bruno, CA
- Developed the entire "Write a Review" page for products and sellers on Walmart.com using React/Redux, Hapi.js, Node.js
- Implemented voice to text recognition for improved accessibility
- Wrote unit tests using Airbnb's Enzyme
- Planned the project into separate stories/tasks, set story points and priorities

RETAILNEXT - SOFTWARE ENGINEERING INTERN - SUMMER 2015   San Francisco, CA
- Improved speed of Admin Console pages by over 90%
- Rewrote APIs to allow for faster retrieval of data from the server and easier implementation in the front-end (Ruby + Ember.js)
- Retrieved and displayed in-store camera information as well as a search function to filter through the large number of cameras (GO, CSS)
- Replaced bootstrap with lightweight, custom, minimalist styling to improve page loading times on Admin Console (CSS, JavaScript, Ember.js)

RETAILNEXT - SOFTWARE ENGINEERING INTERN - SUMMER 2014   San Mateo, CA
- Wrote APIs and algorithms for the cloud team to handle and display customer data. Gained experience in front-end (Ember.js, Handlebars) and back-end (Ruby)

APPCELERATOR - SOFTWARE ENGINEERING INTERN - SUMMER 2013   Mountain View, CA
- Wrote Mocha tests, tested apps on iOS and Android devices and filed bugs (JIRA)

PROJECTS

CLUB ACADEMIA iOS APP
- Developed Club Academia's entire iOS application (Objective-C). Retrieved information from Club Academia's API as well as YouTube API to display our channel's videos in an organized way (very similar to the Khan Academy iOS app)

WHEELS
- Developed a website for peer-to-peer car sharing (http://wheelsforyou.web.engr.illinois.edu/wheels/) using PHP/MYSQL. The purpose was to practice and apply knowledge of database systems.

MISCELLANEOUS PROJECTS
- Android application projects completed include golf score app, "micro-blogging" (including database setup and API), and simple games
- MadLib the News (Java) - retrieved first article from news.yahoo.com and replaced verbs and nouns with blanks that could be filled in by the user. Worked with Stanford Natural Language software, including parsers and taggers
- veenuprasharpa.com - Made a responsive website to display information for a small accounting business
- Organized my high school's first ever hackathon with a team of 3. It was attended by about 20 students

SKILLS

LANGUAGES: Java, C, C++, Python, Objective-C, MYSQL, PHP, scripting (HTML, CSS, Javascript), Ruby
FRAMEWORKS: React.js (+ Redux), Ember.js, Node.js
OTHER: MIPS Assembly, Git, Eclipse, JIRA, NumPy

RELEVANT COURSEWORK

CS 241 (Systems Programming), CS 225 (Data Structures), CS 411 (Database Systems), CS 427 (Software Engineering), CS 491 (Competitive Programming), INFO 490 (Data Science w/ Python), CS 233 (Computer Architecture), CS 357 (Numerical Methods)