KUMARAN CHANTHRAKUMAR | kumaranc46@gmail.com | 9179133893 | github.com/kchan440

CSI at The City University of New York - Staten Island, NY | **Expected Graduation - Dec 2020: BS in Computer Science**

University of Illinois at Urbana-Champaign - Champaign, IL | **2015-2017: Computer Science**

Attended on and off for 3 semesters while working to offset tuition. Financial limitations urged me to move and finish my degree in NYC.
CS125 - Intro to CS | CS225 - Data Structures and Algorithms | CS196 - Honors Software Engineering, TA

Stuyvesant High School - New York, NY: **Standardized Testing: ACT: 36/36** | **2011-2015**

Work History

Part Time Software Engineer | FreeMarkets.AI – New York, NY | 08/2018 to Present

Full-stack React/Django development. Fintech company: pre-launch but received ~750k in first round funding in June of 2018. Company was previously focused on building internal financial models and statistics, but I became the first developer focused on user-facing product.

- Built entire stack from the ground up and deployed to Google App Engine with a PostgresDB and user authentication.
- React development using redux store and react router for routing. Implemented Drag/Drop functionality connected to API actions.
- Wrote Django API as well as database models for user authentication and user profiles containing stock data and mathematical manipulations in Python. React front-end is served live from a python server and makes multiple calls using axios, persisting props throughout React state and components.
- Created Websocket connections between React, third party financial libraries (IEX), and Django to provide real time stock information.
- Took time to build readable/optimized code structure for future hires using React/Redux best practices.

Software Engineering Intern | Agrible – Urbana, IL | 08/2017 to 03/2018

- Created features, unit-tests and refactored the React.js web application: making codebase modular, DRY and space/time performant.
- Upgraded Vagrant virtual machine to support local dev environment (ruby, python, yarn, npm) including database and testing tools.
- Created internal web service to automate manual pdf report generation from farmer JSON data.

Software Engineering Intern | Acadiasoft – Cambridge, MA | 06/2016 to 01/2017

- Wrote java code generating Swagger API documentation for company web services.
- Assisted in shift from RAML specifications to Swagger. Tested API endpoints with Postman.
- Wrote JUnit test cases for multiple client-facing web services.

Software Engineering Intern | IGN Entertainment – San Francisco, CA | 07/2015 to 08/2015

- Front-end styling tickets in CSS and bug fixes with PHP and JavaScript.
- Upgraded IGN's content management system in Ruby on Rails, with new fields for editors along with respective API definitions.
- Winner of IGN's hackathon with "floating video" on iOS app. Allows users to minimize/view video content while still browsing the app.

Market Research and UI/UX Design Intern | LiquidTalent – New York, NY | 12/2013 to 08/2014

- Analyzed website and app data from Google Analytics, compiled reports for CEO and design team.
- Worked closely with the UI and UX team and contributed to the mobile application interface using Flinto.
- Recommendation letter from CEO: (https://kchan440.github.io/LTRec.pdf).

Personal Projects

https://tellmeaboutyourlife.com/

- React.JS application encouraging substantial conversation among peers. Hosted on Google Cloud with Firebase as database.
- Code can be found on my GitHub (https://github.com/KChan440/story_time)

MIT Hacking Arts 2016 (Winner of Autodesk's $2500 API Challenge)

- Formed team to utilize song metrics from Spotify's API to generate unique 3D printable furniture models. "Song Generated Furniture". Only developer on team of business and design students. **Winning Pitch: (**https://www.youtube.com/watch?v=ihs8oXz-5uo **)**
- DO sponsored me!

Head Director (Development/Logistics/Hacker Experience/Finance) at Bridgehacs (https://bridgehacs.herokuapp.com/)

- Started my own hackathon during my time in Cambridge, Massachusetts (https://github.com/KChan440/BridgehaCS).
- Built the website using OpenShift connected to firebase. Website programmed in Angular.JS and all CSS is custom.
- Event sponsored by Microsoft and others, and tweeted to an audience of 18,000. Featured on The Boston Globe.

Comfortable Languages: Java, Python, Bash, JavaScript/HTML/CSS | **Frameworks and Tools:** React, Redux, SocketIO, GraphQL, Django, Git, Firebase, Postman, Vim, JIRA, Google App Engine, Postgres