KUMARAN CHANTHRAKUMAR | k.umunderscorea@gmail.com | 1.718.877.9340 | github.com/kchan440

___Education_____

University of Illinois at Urbana - Champaign - Champaign, IL   **2015 - 2017**

Stuyvesant High School - New York - Manhattan, NY: SAT: 2130/2400, ACT: 36/36   **2011 - 2015**

Relevant Skills: Backend Development (Python, OOP, GCP, Hosting Services, Heroku, Local/Prod environment) | Frontend Development (Vanilla HTML, CSS, JS - on top of React/Redux general modern libraries for design and development) | Responsive Web Design | Cross Browser Compatibility | Full-Stack Work **-** Plugging backend and front-end with complications

Frameworks and Tools: GCP**,** Heroku, Git, Pip, Virtualenv, noSQL,   **Languages:** JavaScript/HTML5/CSS3, Python, Java postgreSQL, Bash, Postman, JSON, AJAX, XML, WebSockets, **REACT, REDUX,** Django, Pandas, Jupyter Notebook, Matlab, Excel, JIRA

___Work History _____

Researcher _ Psyonic Inc. - Champaign, IL   **2020 - 2020**
  Stipend Work - Prosthetic Tech Company - Research Park at the University of Illinois

Principal | Engineering Design _ Freemarkets.AI - New York, NY   **2018 - 2019**
Pre-launch fintech.
  • **Lead development and design of platform.**
  • **Built frontend** - React, React-Router, and Redux. multiple dynamic and real time web pages with user profiles with
  • **Built backend** - Python Django REST API. massed CRUD operations between GCP and.
  • Worked with high performance services and APIs like IEX, Quandl, Knox, Redux, React router, Websockets,
  • Mastered integrating of APIs - star standard libraries.
  • Ensured credibility using github popularity..
  • **Launched production site**
  • Constructed - To be useful for developers - skeletons with React components were made to give insight into the site's programmatic structure while also obscuring confidential company code.
  • Constructed wireframes for all company pages - underscored with minimal yet encompassing user flow.
   • Connected ensuring best data flow from backend to frontend
  • Tested using cloud console debug tools and chrome developer console
  • Data points: Stock data.portfolio data (floats, dates). Market data (text, time). Ticker information (symbols, extra info per). User authentication with knox (username, password).
  • Postgresdb pushed up to google gcp
  • **Maintained versions** and launched with gcp terminal bash commands
  • **Iterated through designs given feedback from members of the company as well as investors.**
  • Incorporating feedback while still keeping an eye for company mission.
  • Wrote design document sent to both UI/UX and development contractors. Document included an inquisitive, absorbed, and considerate written statement of freemarkets" mission and an appeal to contractors for work on one of company's core offerings. Statement included info both designers and developers could engage actively with expertise.

Software Engineering Intern _ Agrible – Urbana, IL   **2017 - 2018**
Software Engineering Intern _ Acadiasoft – Cambridge, MA   **2016 - 2017**
Software Engineering Intern _ IGNEntertainment – San Francisco, CA   **2015 - 2015**

Market Research and UI/UX Design Intern _ LiquidTalent – New York, NY   **2014 - 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://github.com/KChan440/kchan440.github.io/blob/master/static/ltrec.pdf).
___Personal Projects _____

Winner of MIT Hacking Arts 2016 Autodesk's $2500 API Challenge)
  • Formed team to utilize song metrics from Spotify's API to generate unique 3D printable furniture models. "Song Generate Furniture". Only developer on team of business and design students.
  • Winning Pitch: https://www.youtube.com/watch?v=ihs8oXz-5uo)

https://kchan440.github.io/projects/
  • Built 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)
Director (Development/Logistics/Hacker Experience/Finance) at Bridgehacs (https://bridgehacs.herokuapp.com/)
  • Started hackathon during my time in Cambridge, Massachusetts (https://github.com/KChan440/BridgehaCS).
  • Built 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.