Rafay Khan

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EDUCATION

University of Maryland — College Park, MD
Bachelor of Science in Computer Science, Minor in Business Analytics — *2021*

EXPERIENCE

Software Engineer — Summer 2021 – Present
Epic Systems — *Madison, WI*
- Designed projects to solve various problems that customers reported, met with stakeholders and end users for feedback, created and iterated through various UI's with UI/UX, and creating the application with React
- Lead and coordinated multiple business trips with customers to observe software in use and gather end-user feedback, prepared participants with context for the trip
- Became a partner with HR and vetted applicants applying for positions, combing through resume applicants and conducting phone interviews to ensure indivudals match with the company vision and would be a good fit
- Tracked features and created dashboard's to understand which actions were used more and other various data analytics metrics
- Utilized swift and kotlin to update new code and objective-c and java to maintain legacy code for multiple mobile applications across android and iOS with 100,000's of uses every day
- Utilized React and React Bootstrap to build a dynamic website to load components from a database with Redux, API calls, and SQL Queries; and display them on sortable and searchable cards

Detection and Prioritization Intern — Summer 2019
Ironnet Cyber Security — *Fulton, MD*
- Used a Django framework to set up an authentication client for a project and survey which will collect information from workers to facilitate their job
- Set up a bash script aid in searching through databases for DNS servers and their associated ASN numbers.
- Used Python and Amazon S3 to create an updater for an Amazon file which updated constantly with new IP addresses associated with specific services and outputted the difference between the updated file and the most recent file. The program also recorded every copy of the file and kept a pointer file to the latest one

IT Technician — July 2017 – July 2018
Commputercations — *Frederick, MD*
- Analyzed and corrected problems with computers on both software and hardware side, and communicated with customers to swiftly resolve problems.
- Attended to customers on-site and resolved their issues quickly and professionally.
- Configured the server room, set up and maintain company infrastructure, cut out unecessary processes and maintained stock of our equipment

PROJECTS

Parser and Interpreter | *OCaml*
- Takes in a few key words and then processes the text input by tokenizing, parsing, and then evaluating the output and returning it to the user
- If the input is not correct, prompts the user to input again and returns the error

Analysis of Video Game Popularity | *Pythom, Jupyter Notebook*
- Found data on Kaggle, imported the csv file into python and cleaned the data – turned into a Pandas dataframe
- Used exploratory data analysis and matplotlib to plot and identify trends in the dataset, discussing popularity in terms of Global Sales of the game
- Used sci-kit learn to create a machine learning prediction model to estimate a video games popularity based off of attributes, then rated the accuracy of the created model

TECHNICAL SKILLS

Languages: Java, Kotlin, Python, Objective-C, Swift, Mumps, Iris, HTML/CSS, Javascript / Typescript
Developer Tools: Git, Docker, TravisCI, Google Cloud Platform, VS Code, Visual Studio, PyCharm, IntelliJ, Eclipse
Libraries: pandas, NumPy, Matplotlib, React
Skills: Microsoft Excel, Adobe Photoshop, Figma, Public Speaking, Jupyter Notebook