

JUNEAD KHAN

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EDUCATION

The University of North Carolina at Chapel Hill

Chapel Hill, NC

Bachelor of Science in Computer Science and Biostatistics, Minor in Neuroscience. **GPA 3.79**

May 2023

Related Coursework: Data Structures, Web Programming, Databases, Computer Organization, Linear Algebra

Honors: Morehead-Cain Scholar (full-ride, merit based), Honors Carolina, Sutton Trust US Programme Scholar

TECHNICAL SKILLS

Languages: Python, JavaScript, Java, Swift, C/C++, C#, SAS, SQL, HTML/CSS, MATLAB, Assembly (MIPS)

Frameworks: jQuery, Node.js, Bulma, Bootstrap, Angular, JUnit, React, Flask, Scrapy

Technologies: Google Cloud Platform, AWS (S3), ServiceNow, Linux, Git, Postman, Docker, Jenkins

EXPERIENCE

JPMorgan Chase & Co

Bournemouth, UK

Software Engineer Intern - Architecture Governance

Jun 2021 - Present

- Developed automated solution for economic data reporting by building a web scraping tool and SMTP email client that will retire manual overhead, eliminate human error and reduce reporting time by 30x. (*Python, Scrapy*)
- Designed and implemented an algorithm that determines the hygiene of repositories based on metrics available via GitHub API, and flags vulnerable repos to reduce security risks for open-source projects. (*Python, REST API*)
- Automated certification checks in application approval process by modernizing manual workflow via REST APIs, reducing processing time by 1200% while improving governance procedures for audit. (*ADFS, Kerberos*)

London School of Hygiene and Tropical Medicine

London, UK

Associate Research Consultant

Aug 2020 - Present

- Lead author of paper identifying subgroups within the elderly population by implementing Latent Class and Descriptive Analyses on the largest and most detailed scientific studies of sexual health in the world (*SAS, JMP*)
- Collaborated with international partners across 3 countries (UK, US and China) on a multi-disciplinary study

Google Cloud

Remote

Associate Cloud Engineer Specialization

Jun 2021 - Aug 2021

- Configured a Minecraft Server on a Java Runtime Environment to run on a Compute Engine instance with firewall rules added to a VPC Network used to allow client traffic. (*Compute Engine, VPC, TCP/IP, Linux*)
- Deployed a containerized web application on an nginx web server via Kubernetes Engine with integrated network load balancing. (*Kubernetes Engine, Docker, Nginx*)

Cloud Data Analyst Specialization

Jun 2020 - Aug 2020

- Built a logistic regression model that ranks and predicts visitor spending habits for an ecommerce store
- Developed a forecasting model to predict and suggest optimal cab fare for NYC taxi cabs using BigQueryML and training over a 76GB public taxi trip dataset and optimized using feature engineering (*BigQuery, GCP, SQL*)

Infinity Edits

Slough, UK

Founder

Sep 2017 - Jan 2019

- Co-Founded an e-commerce apparel store that sold internationally to over 24 countries in 3 different continents by implementing a dropshipping business model via Shopify to achieve global fulfilment within 7 days (*Shopify*)
- Awarded several accolades including Regional Company of the Year and Slough Young Entrepreneurs of the Year

PROJECTS

pixelpedia.io | *HTML/CSS, Javascript, React, Bootstrap, Mapbox GL JS, AWS S3, Firebase, OAuth*

- Developed a web application that acts as a singular directory for ideal photo spots across the world. Used a React Frontend and Mapbox GL JS to present data via an intuitive map-based UI.

[GPace - Grade/GPA Tracker](#) | *Swift, UserDefaults, SwiftUI*

- Designed and built an iOS application utilized by College Students from across the US/Canada with 5.0 Star rating and over 3.7K impressions on the Apple App Store, coded using Xcode and SwiftUI

[Exam System API Backend](#) | *Python, SQL, Postman, Python Bottle, JSON*

- Built a RESTful API to support a web application for developing exam questions by implementing an ORM to encapsulate logic and retrieve data from a MySQL database