

Abbas Ahmed

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EDUCATION

University of Pittsburgh
B.S. Computer Science, Minor in
Economics
Expected April 2020
Dean's List

LINKS

LinkedIn:// [abbasahmed](#)
GitHub:// [abbasahmed](#)
Website:// [abbasahmed.me](#)

COURSEWORK

Computer Science

Algorithm Implementation
Operating Systems
Web Applications
Software Quality Assurance
Artificial Intelligence
Computer Vision
Data Science
Deep Learning (*in progress*)
Machine Learning (*in progress*)

Business

Microeconomics
Corporation Finance
Public Speaking (*in progress*)
Macroeconomics (*in progress*)

SKILLS

Languages

Python, JavaScript, C, Java, Ruby,
HTML/CSS, MATLAB, Cypher, SQL

Frameworks

Vue, Vuex, D3, Express, Node, AJAX,
ElasticSearch, NumPy, Pandas,
Flask, Postgres, Redis, MySQL,
Neo4j, Sinatra, Docker

Design

Photoshop, Illustrator, After Effects

WORK

Qatar Computing Research Institute | Software Engineer Intern II
May – August 2019 | Doha, Qatar

- Built a real-time interactive dashboard with Vue to help humanitarian organizations and aid relief agencies to filter millions of tweets during crises to facilitate coordinating their activities effectively and reach their targets on a timely manner.
- Analyzed various Named Entity Recognition models for entities extraction from the Twitter API data and incorporated an NER model into the system pipeline using Redis.
- Designed a schema to store entities and classified data efficiently and implemented a RESTful API Node server with services to aggregate the high-volume data from the ElasticSearch database.
- Awarded 3rd place among 25+ intern projects.

Qatar Computing Research Institute | Software Engineer Intern I
May – July 2018 | Doha, Qatar

- Developed an application to automatically generate reports for an expired crisis event using data visualization to help humanitarian organizations to understand the events' statistics for research and future crisis planning.
- Created a front-end application using Leaflet and MapBox for geo-tagging real-time crisis tweets in order to monitor developing events promptly.

Projects

Connect 4 Multiplayer

A multiplayer version of the popular Connect 4 game built using Bootstrap, Flask, AJAX and MySQL to give children their own custom version to play with friends.

Linear Equation Tutor

Developed a Logical Agent which takes in a linear equation, finds the solution and tests a student on the steps to solve the equation while providing feedback based on current knowledge.

Leadership

SteelHacks | Co-organizer

Current

- Directing Marketing and Design Aspects

ShelInnovates | Co-organizer

Current

- Overseeing Media and Website Development

Office of International Services | Advisor

Feb'18 – Apr'19

- Served as a member of International Student Advisor Panel