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- Minor in Business Administration

Languages: English, Arabic

- Developed interfaces to make the application scalable across universities
- Wrote web-crawling scripts to gather course catalog and schedule information
- Developed a means to populate the database based on the latest data fetched

- Developed in 24 hours in the Carnegie Apps Hackathon 2016
- Web Application built with python Django
- Developed the Input text/image/doodle functionality
- Wrote interaction between back-end and front-end using AJAX
- Coded data processing and API function calls in back-end

- Implemented K-Means algorithm for data-points and DNA strands using Hadoop MapReduce
- Performed comparative analysis for large data sets (20M - 40M points/strands)
- Compared Hadoop implementation performance to Sequential and MPI implementations

- Distributed File System developed in Java
- Developed the RMI, to handle communication between Clients, the Naming Server and Storage Servers
- Coded Synchronization functionality using locking mechanisms and mutexes
- Wrote Replication functionality to spread load over servers and create backups in case of failures

- Bilingual Web Application built with python Django (back-end) and Bootstrap (front-end)
- Wrote the interaction between the front-end and back-end using AJAX
- Developed the Moderator User functionalities similar to that of Reddit
- Coded the functionality and styling of JS forms, and handled requests, data and errors

- Received grant of \$4K from Student Initiated Undergraduate Research Project (SIURP)
- Built a Cross Site Scripting (XSS) benchmark to test XSS detection tools
- Used benchmark to test reliability of current web vulnerability scanners
- Produced a report on the research that was presented in Meeting of the Minds (April 2015)

Technology and Gadgets