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Ahmed Amr Abdulfattah

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Employment

Lead Data/Analytics Engineer uCoach (US Based) <ul style="list-style-type: none">Implemented efficient data pipelines for 40+ US universities. (Python, Postgresql, AWS, Docker, K8s)Lead development of building DW analytical models. (Snowflake, Redshift, Tableau, Metabase)Lead development of SW life cycle dashboards on top of CircleCI, Github, and Jira data. (Stitch, AWS, Tableau, Redshift) College Confidential (US Based) <ul style="list-style-type: none">Lead development of tagging 1.5M educational forum discussions. (Python, AWS)	Rubikal/InsideTrack	Summer 2018 – Now
Senior Data Engineer <ul style="list-style-type: none">Lead development of company wide data pipelines. (Python, Redshift)Lead development of executive dashboards that supports daily decision making. (Python, ReactJS)	Ahmed Al-Motaz Company	Summer 2017 – Summer 2018
Teaching Assistant <ul style="list-style-type: none">Courses: Object Oriented Programming, Computing Algorithms, and Data Visualization.	AAST (CS Department)	Summer 2017 – Summer 2019
Software Engineer Incarta Data Visualization Library (US Based) <ul style="list-style-type: none">Implemented a dynamic JS-based library of 30+ chart types, with features like: drill down, group selection, hierarchical grouping, and resizing. WhoKnows Analytical Dashboards (US Based) <ul style="list-style-type: none">Implemented APIs for 40+ chart components within 6 analytical dashboards. Hiring Insights <ul style="list-style-type: none">Developed app to enhance job/candidate hunting using text analysis/machine learning.	BADR	Spring 2016 – Summer 2017

Education

Alexandria, EG <ul style="list-style-type: none">B.S in Computer and Systems Engineering.Undergraduate Coursework: Operating Systems; Databases; Algorithms; Programming Languages; Comp. Architecture; Systems Programming; Computer Vision.	Alexandria University	2010 – 2015
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Technical Experience

Projects

- Wikipedia Daily Hot Topics** (2018). App shows top N topics visited. (Python, Hadoop, JS)
- Distributed Multi-Agent Classifier** (2018). Classify items based on collected data from multiple distributed locations. (Java, JADE)
- Weather Application (iOS)** (2017). Weather App along with auto-complete functionality. (Google APIs, Swift, XCode)
- Twitter Sentiment Analysis** (2016). App that infers sentiment of tweets. (Python, Machine Learning, JS)
- XO Game with AI Using Assembly** (2009). XO game with MinMax algorithm. (X86 Assembly)

Languages and Technologies

- Python, Java, JS, Postgresql, ML, Docker, K8s, Snowflake, AWS, Git, d3.js, Tableau, Metabase.
- Familiar with: React JS, React Native, NodeJS, NoSQL DBs, Spark, Swift, GCP, C, Terraform