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# Ahmed Amr Abdulfattah

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## Employment

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

## Education

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