

## William Farmer

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### Education

#### Boston University – Metropolitan College – Boston, Massachusetts

Master of Science in Software Development

Sept 2021 – Present

GPA 3.60 (Cumulative)

#### Arizona State University – W.P. Carey School of Business – Tempe, Arizona

Bachelor of Science in Business Data Analytics

May 2020

GPA 3.99 (Cumulative)

Bachelor of Science in Marketing (Digital & Integrated Communication)

### Professional Experience

#### General Motors, Arizona IT Innovation Center

June 2020 – Present

Software Developer (Customer Care & Aftersales) – Dealer Aftersales and CCA Supply Chain

- Country of Sale (COS) Support: Maintain an existing legacy finance application involving Oracle databases, IBM DataStage servers, Java backend, and other frontend technologies to support business requests as well as upgrading the technology stack of the application to meet architecture guidelines.
- Mercia Sysplex Migration: Supported with the migration of the organization's mainframe system to a new Sysplex platform that required testing of bash jobs which required validation and troubleshooting of processes to ensure limited downtime to the business and resulted in minimal impact to the Mercia applications.
- Mercia Production & On-Call Support: Provide production support during month-end processing of six global forecasting legacy applications utilizing Linux servers, Oracle databases, and other backend tools to perform month-end tasks along with continuous work on upgrading technology stacks of the applications based on architecture guidelines. Assist with on-call support of these applications to ensure that bash job processing of files from upstream systems, like SAP, are correctly ingested into the Mercia applications and processed to downstream data warehouse systems such as End User Computing (EUC), for example.
- Neural Net Forecasting Project: Developed a Java Spring Batch process based on business needs to introduce accessory part data into a neural network model where communication of outside teams was essential to properly source and ingest data into tables of the database for successful forecasting of accessory parts.
- Neural Net Forecasting Project: Created several Power BI reports based on business requirements to track areas of performance and accuracy of the neural network model being used for forecasting part demand compared to other forecasting applications which resulted in a clear view of the project's improvement over time.

#### Freeport-McMoRan, Phoenix Corporate Office

Aug 2019 – Dec 2019

Business Intelligence Analyst – Part Time

- SuccessFactors Project: Assisted in SAP SuccessFactors implementation by creating Microsoft Power BI dashboards from Azure DevOps connections to track and monitor status of debugging efforts during the testing process of the project.
- SuccessFactors Project: Performed manual data migration of over 500 Taleo job profile descriptions to SAP SuccessFactors to limit data leakage from moving platforms and to validate data accuracy in production.

#### Freeport-McMoRan, Phoenix Corporate Office

May 2019 – Aug 2019

Business Intelligence Analyst - Intern

- Intern Project: Developed an SAP BusinessObjects report by retrieving data using Teradata SQL Assistant to create a dashboard and tabular reports for a control systems sector of the company systematically from development, test, and to production.
- Intern Presentation: Presented work completed during the summer to MIS leadership that included the CIO and VP of Information Technology to demonstrate value generated to the company and personal growth.

### Professional Development

#### General Motors – Jumpstart Arizona

Oct 2020 – Sept 2021

Officer for Marketing and Communications Committee

- Responsibilities: Created and distributed bi-weekly emails each month, to over 1000 recipients, that contained puzzles to be solved which fostered an engaging environment and mental break from standard work during the pandemic.

Officer for Career Development Committee

- Responsibilities: Developed opportunities for career development that would benefit those at our location by helping create a speech club to practice public speaking and delivered a presentation about one-on-one meetings "done the right way" to over 200 participants which allowed for personal growth to be accomplishment in the workplace.

#### Accomplishments:

June 2021 Officer of the Month

#### Arizona State University – Department of Information Systems Club (DISC)

Mar 2018 – May 2020

VP of Instruction (2019-2020)

- Responsibilities: Provide sessions that supplement knowledge gained in classes and increase members' ability to perform well in the information systems management industry and facilitate involvement with competitions and other such opportunities.

#### Accomplishments:

2019-2020 Outstanding Chapter in Professional Development and Community Service & 2<sup>nd</sup> Place Winner in Graphics for Alexion Analytics Challenge

- Challenge Criteria: Competed in a team of three students on the NBCUniversal Challenge to answer questions about demographics, viewership, and trends between traditional sports and eSports from a given data set.
- Submission Process: Analyzed and cleaned the data set using Microsoft Excel and JMP Pro to develop a WIX website showcasing findings by utilizing data visualization and statistics that found the importance of rising women viewership in eSports, brands better aligned for eSports, and recommendations for NBCUniversal.
- AIS SCLC Conference: Selected as a top 10 finalist nationally against 42 other teams to present the challenge submission at Temple University in front of industry professionals at the Association for Information Systems – Student Chapter Leadership Conference 2019.

### Technical Skills

- |                       |                   |                     |                    |
|-----------------------|-------------------|---------------------|--------------------|
| • Python              | • Java            | • SQL               | • Linux            |
| • SAP BusinessObjects | • WinSCP & Putty  | • Power BI          | • Tableau          |
| • Azure DevOps        | • Oracle Database | • Teradata Database | • Microsoft Office |