

Jonathan J. Traylor

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EDUCATION

Khoury College of CS, Northeastern University

Spring 2021 – Spring 2023

Candidate for Master's in Computer Science – Align

Relevant coursework: Object Oriented Design, Programming Fundamentals, Data Structures and Algorithms

Providence College

August 2014 – May 2018

Bachelor of Arts in Economics, Political Science

Universidad Carlos III de Madrid (UC3M)

August – December 2016

Study Abroad in Economics

TECHNICAL SKILLS

Programming languages: C, Java, Python, SQL, VBA, Advanced Excel

Technical tools: PowerBI, Qlik Sense, MS Access, JIRA, Confluence, GitHub, Linux

Professional skills: Program management, contract administration, project reporting

Formal certificates: Providence College School of Business - Data Analytics Certificate

PROJECTS

Mastermind Game – Python, GUI, Event Handling, MVC, OOD

- Designed and implemented a playable Mastermind in Python using OOD principles and the MVC design pattern, where the user competes against the computer.
- Utilized Python's turtle interface as a GUI, allowing the user to operate the game via mouse-click event handling.

Dijkstra's Implementation – C, FileIO, Algorithms

- Created a tool that calculates the shortest path between two user selected nodes from a text file.
- Incorporated functions to read in node/edge data, execute the algorithm and output information to the terminal.

MyBar GUI – Java, GUI (AWT/Swing), Event Handling, MySQL, MVC, OOD

- Built an application that allows a user to enter ingredients and the tool returns relevant cocktails.
- Improved tool through MySQL integration for data; GUI allows for the direct entry of items into the database.

VBA Project Management Tool (Professional) – VBA, Dashboard

- Implemented a project metric tracking tool and accompanying Excel dashboard to monitor overall project fiscal health and the completion of deliverables relative to expenditures (EVM Lite).
- Tool incorporated regressions for financial and deliverable forecasting.

EAM Upgrade (Professional) – Program management, IFS Maintenix

- Managed EAM upgrade of IFS Maintenix software for a military customer within Raytheon Technologies.
- Successfully completed reporting upgrades, data migration and multiple rounds of cycle testing.

PROFESSIONAL EXPERIENCE

ANALYST – MILITARY PROGRAMS, Tsunami Tsolutions, Glastonbury, CT

March 2020 – January 2021

- Managed the completion of deliverables across multiple aerospace projects, including an ERP implementation, technical systems support and customer reporting. Customers within Raytheon Technologies.
- Synchronized internal teams from multiple siloed divisions to complete complex deliverables, ensuring that the various teams followed budgetary guidelines and quality control mechanisms.
- Facilitated the design and execution of solutions to unexpected problems that arose over the project lifecycle.

ANALYST – FINANCE AND OPERATIONS, Tsunami Tsolutions, Glastonbury, CT

June 2018 – February 2020

- Established a reporting system to effectively communicate project progress and expenditures with our customers. Determined relevant metrics and format, factoring in repeatability among various projects.
- Lead and managed quoting efforts for over 100 projects. Worked with internal teams and customers to formalize requirements, create initial contracts, and coordinate labor estimates.

HONORS

Omicron Delta Epsilon - Economics Honor Society, Providence College

April 2018

Pi Sigma Alpha - Political Science Honor Society, Providence College

April 2017