

Employment

Technical Program Manager

Employer: Meta

May 2020 - June 2023

- Optimized data center buffer planning by managing the implementation of capacity forecasting and placement solution to reduce costs by ~\$500million/year and operation toil by ~30%.
- Automated documentation sorting for data centers by managing the implementation of machine learning solutions, sorting 14k+ documents/month and reducing labor costs by ~\$6 million/year.
- Onboarded data center financial teams onto Oracle financial tooling solutions to enable scale, reduce labor hours by >25%, and improve forecasting accuracy to a less than 3% variance.

Air Defense Control Officer

Employer: United States Marine Corps

May 2015 - May 2020

- Enabled safe aviation control across Afghanistan as Director of Marine Air Defense Platoon by training and deploying Marines resulting in zero mishaps and 600+ completed missions.
- Developed, tested, and implemented sharepoint automation solution to convert manual documentation routing to digital routing process reducing routing time by >70% per document.

Education

Software Engineering Certification: [CodeCademy Front End Engineer Certificate](#)

United States Naval Academy | Bachelors in Systems Engineering | June 2011 - May 2015

- Capstone featured the design, build, and testing of GPS guided autonomous vehicles to traverse lakes and collect water samples. Use of C++ and MATLAB to implement logic.

Penn State University | Masters in Engineering Management | June 2011 - May 2015

- Capstone featured research and development of a solution to decrease errors in the electronic production line of BAE Electronic Systems focused on Design Failure Mode Effects Analysis. Designed solution resulted in ~30% cost savings (\$40 million / year) due to production losses.

Personal Software Projects: [Portfolio Site](#), [Github Profile](#)

- **Backyard Baseball Team Auction App:**
eCommerce style app designed for users to create their favorite backyard baseball team with auction style drafting. Technology Used: React.js, Redux, Javascript, HTML5, CSS
- **MovieFinder:**
Using the OMDb public API, search for favorite movies and their related information.
Technology Used: Javascript, HTML5, CSS, React.js, Redux
- **Maze Game:**
A react application featuring a game in which a user must navigate a randomized maze without falling into holes. Technology Used: Javascript, HTML5, CSS, React.js, Redux,

Software Skills: (proficient) Javascript, HTML5, CSS, React.js, Redux, Github, Git, Python, Netlify (familiar): SQL **Additional Skills:** Program/Project Management, Sprint Planning and Execution, Agile Methodology, Technical Requirement Development, User Acceptance Testing, Solution Implementation