

Kerry Wu (He/Him)

EXPERIENCE

kerrywu.com • 425-785-6582
kerrywu@umich.edu • San Diego, CA
Secret Clearance

AI Software Engineer | Boston Consulting Group | San Diego CA

Aug. 2022 – Present

- Enhanced generative AI output by analyzing gaps in GenAI model outputs and developing custom features to address deficiencies for a government client. Features led to multiple orders of magnitude improvement in generated AI output.
- Spearheaded development for automated lead generation tool for leadership, aggregating external data sources into a single integrated interactive dashboard for viewing and tracking potential clients.
- Platform contributing directly to sale of projects achieving 4x return on all invested resources within four months of pilot launch.
- Integration and aggregation of external data sources into single point of entry and management of vendor relations with external data aggregators.
- Productionized code and data pipeline for analytic credit decisioning and automated risk monitoring for on-prem deployment for large domestic bank.
- Led generative AI development and demo regarding aircraft maintenance for federal customers.

Systems Engineer II | Raytheon Missiles & Defense | Tewksbury, MA

Apr. 2022 – Jul. 2022

- Led team that successfully integrated 3rd-party Link-16 emulator, focused on message content and timing sequences, ensuring application adhered to the standards defined by NATO
- Assisted in integration of the Raytheon Early Warning Radar into operational system
- Maintained operational integrity throughout integration process by coordinating with Qatari officers and US Government representatives
- Led efforts to expand network security based on access control for operational systems in Qatar
- Scrum Master for Software Development team

Systems Engineer I | Raytheon Missiles & Defense | Tewksbury, MA

Jun. 2020 – Apr. 2022

- Integrated NASAMS weapon and radar systems into Qatar Air Defense Operation Center
- Assisted in expanding the Threat Evaluation and Weapon Assignment (TEWA) algorithm for the new weapon platform
- Drove end-to-end feature development, by refining customer requirements to facilitate requirement driven design, driving software development of features, and supporting integration and test efforts both in USA and at customer sites
- Developed classified demos with Business Development teams to win new contracts worth upwards of \$10bn
- Integrated new modules into the existing Web Service, becoming the program Subject Matter Expert (SME)
- Expanded integration testing and collaborated to develop automated procedures ensuring feature correctness

Software Engineer | Slash2 Esports | Plymouth, MI

Apr. 2019 - Apr. 2020

- Utilized unsupervised machine learning to generate a model for trace characteristics of streamers and organizations based on audience profiles
- Designed and implemented commercial service using generated models to match client brands to influencers

EDUCATION

University of Michigan | Bachelor of Engineering in Data Science

2016 - 2020

- University Honors and 2x Dean's List
- 2019 Michigan Ross Datathon Finalist
- Team Captain for Michigan Overwatch Team, Ann Arbor Esports

2017 - 2020

Notable Coursework

- | | | |
|-------------------------------|-------------------------------|--|
| • Computer Vision | • Game Theory | • Video Games and Learning |
| • Database Management Systems | • Applied Regression Analysis | • Data Mining and Statistical Learning |

SKILLS

- Software Development (Python, Java) and development tools (GIT, JIRA, Visual Studio, pandas, NumPy, vim)
- Large Language Model (LLM) model pipelining, training, and deployment.
- Requirements-driven software design and development
- Strong ability to multitask and prioritize tasks under pressure
- Agile scrum management training