Kerry Wu (He/Him)

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EXPERIENCE

Systems Engineer II | Raytheon Technologies | Tewksbury, MA   Jun. 2020 - Present
- Integrated NASAMS weapon system into Qatar Air Defense Operation Center and assisted in expanding the Threat Evaluation and Weapon Assignment (TEWA) algorithm for the new weapon platform
- Developed classified demos with Business Development teams to win new contracts worth upwards of $10bn
- Drove end-to-end feature development by gathering customer requirements, designing, and implementing solutions
- Coordinated development of new features with subcontractors, completing development 2 months ahead of schedule
- Wrote requirements in IBM DOORS and collaborated with program leadership to facilitate requirement driven design
- Integrated new modules into the existing Web Service, becoming the program Subject Matter Expert (SME)
- Expanded integration testing and collaborated to develop additional procedures ensuring feature correctness
- Created user-facing documentation for customers and vendors detailing data pipeline usage and schema compatibility
- Received 4 Spot Awards as formal recognition for accountability, performance, and collaboration
- Maintained US Government Secret security clearance

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
- Developed programs in Python to search over 1 million lines of Twitch chat hourly, identifying keywords relevant to sponsors and automatically classifying chat sentiment based on topics or brands

Program Management Intern | Medion AG | Oberursel (Taunus), Germany   Summer 2018
- Coordinated with school districts, sales, and OEM to organize and launch Chromebook EDU SKU in 80+ Switzerland elementary schools
- Conducted gap analysis for assistant integration in smart displays and presented findings to CTO

Global Marketing Intern | Razer Inc. | Singapore, Singapore   Summer 2017
- Researched customer profiles and identified new business opportunities, successfully signing 3 new partners, leading to over a million new paid impressions in 6 weeks
- Develop and deployed social media campaign for partnered professional esports organization during ESL Cologne 2017

EDUCATION

University of Michigan | Bachelor of Engineering in Data Science | 3.62 GPA   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
- Database Management Systems
- Game Theory
- Applied Regression Analysis
- Video Games and Learning
- Data Mining and Statistical Learning

PERSONAL PROJECTS

Supervised Machine Learning for Fantasy Football Draft
- Used historical data to predict player fantasy performance the following year using a supervised learning model
- Developed model in Python, using pandas for data manipulation and scikit-learn for the supervised learning model
- Placed 2nd in 2020 and 1st in 2021 using projected player performance

SKILLS

- Software Development (Python, Java, JSON, SQL, TypeScript)
- Development Tools (GIT, JIRA, Visual Studio, pandas, NumPy, debugging tools)
- Requirements-driven Software Design
- Agile Project Management and Scrum Master training
- Excellent interpersonal and communication skills
- Strong management and conflict resolution skills
- Great organizational skills with a strong ability to multitask and prioritize tasks under pressure