



Jack Doughty

|| CONTACT

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|| EDUCATION

Masters of Science:
Applied Computational Mathematics
University of Washington
September 2022 - August 2023

Bachelor of Arts: Mathematics
Focus: Data Science
College of Wooster
September 2019 - June 2022

A 22 year old analytical and inventive Applied Computational Mathematics graduate, with significant experience in gaming community administration and data-driven decision-making. Specialized in utilizing data to influence software lifecycle decisions, quality assurance, and community engagement. There's so much more to data than just the numbers: getting to know the players impacted by your decisions and processes, ingraining yourself in the community, and being open minded are equally as important.

|| EXPERIENCE

Analytics Administrator (CTGP)

2022 - Present

- Moderates and organizes public forums for software update feedback, creating data sets and filtering it for analysis
- Leverages data analytics to drive strategic decision-making and foster community engagement among a competitive player base of 7,000+
- Develops heuristic models using popularity, play rate, and poll data to evaluate the value and performance of each race track within the game
- Controls key decisions regarding software lifecycle and quality management through the utilization of these models
- Advocates for the product owner to update longstanding practices, using rigorous data analysis and extensive documentation as evidence
- Contributes to significant improvements in the game's content, with race tracks added during tenure seeing a nearly **25%** increase in play rate

QA + Approval Analyst (CTGP)

2020 - Present

- Contributes to the Quality Assurance process by providing critical data analysis and feedback on software submissions
- Performs thorough playtesting and bug detection for each submission to ensure optimal functionality and user experience
- Develops detailed improvement reports on software, working directly with developers to implement said reports
- Applies computational mathematics skills and data-driven strategies to make informed decisions on software inclusion in the game
- Organizes and participates in voting on game content inclusion, shaping the game's track roster, influencing the entire community
- Collaborates with handpicked players, fostering a collective decision-making process with common support for all players involved
- Leads efforts to maintain and enhance game quality, striving for continuous improvement in all aspects of the game

|| ADDITIONAL QUALIFICATIONS

- Strong understanding of Python/C++/SQL/R/Tableau/LaTeX and more
- Academic Experience with Machine Learning with TensorFlow/PyTorch
- Proficient with using Discord/Slack/Teams/Zoom for organization
- Won over \$5k+ from Esports tournaments, ESL Mobile Open Finalist, obsessed with the competitive scene for various Esports
- History of mediating controversial decisions between fundamentally different classes of players (casual, competitive, and designers)
- Incredibly confident at communicating complex concepts to outsiders
- Math nerd, finished linear algebra sophomore year of high school