

Peter Varga

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WORK EXPERIENCE

Milestone Solutions Lab

Budapest, Hungary | Apr 2025 – Sept 2025

Consultant Product Engineer (Data & Backend)

7 months (contract)

- Implemented user analytics (AWS Lambda, DynamoDB, Deepnote), tracking feature adoption and user interactions
- Designed backend logic (Python, FastAPI) and AI-based narration (LangGraph) for gamified user progression
- Deployed a bespoke content management system (AWS, S3, Strapi, Node.js) with backups and monitoring to ensure robust delivery of interactive media in-app, as well as leading the operations for content curation and versioning

sido.gg

Los Angeles, US (remote) | Oct 2023 – Feb 2025

Research & Development Lead

1 year 5 months

- Directed data science research in gaming, building out a platform optimized for scalable and collaborative experimentation (GCP, dlt, dbt, BigQuery, Deepnote), reviewing publications and leading academic representation
- Deployed an audio recording software with AI-based signal extraction to analyze voice communication in gaming
- Led strategy and development of a subscription-based gaming analytics product, aligning design, engineering and user feedback, owning the integration of both our research results and voice communication analysis as features

Fnatic

London, UK | June 2021 – Sept 2023

Senior Software Engineer (Research & Analytics)

1 year 4 months

- Architected and managed an internal gaming analytics product (Clickhouse, MindsDB, Retool), overseeing technical and design requirements, synchronising user requests with feature roadmap and ensuring delivery of data SLAs
- Owned 600+ ELTL jobs from ~125 sources, supporting with CI/CD (GitHub), alerting and monitoring (Grafana)
- Led academic-industry research collaborations resulting in multiple conference appearances and publications

Software Engineer (Research & Analytics)

1 year 1 month

- Built out a new data infrastructure (AWS, Kubernetes, Docker, Airflow, Airbyte, dbt, Postgres, Clickhouse)
- Launched an internal self-serve BI platform (Metabase) with documented data models, also leading onboarding
- Designed and implemented a machine learning driven inventory management app (Databricks, FBProphet, MLflow) with automatic forecasts, manual tuning and scenario-building to reduce excess stock and improve cash flow

Mews

London, UK | Sept 2019 – June 2021

Junior Data Scientist

1 year 10 months

- Implemented user behavior ELT jobs & analytics (Databricks, PowerBI, Salesforce) to streamline customer support
- Built a global hospitality database (Azure, Python, MSSQL) to inform go-to-market strategy and sales KPIs
- Developed and deployed a churn prediction ML model (Databricks) to identify at-risk customers during COVID-19

WILD AI

London, UK | Jan 2019 – July 2019

Research & Development Specialist

7 months

- Reviewed scientific literature on female physiology to inform product development and engagement strategy
- Designed UX prototypes and educational content with coaches and female health experts to improve accessibility

TALKS & PUBLICATIONS

Editor | *Emerald Publishing - Team Performance Management Special Issue*

Published in 2025

Speaker | *Econometric Case Study of the NA LoL Championship Series*

Esports Research Network Conference 2024

Author | *Routledge Handbook of Esports - Chapters 2.7 & 3.4*

Published in 2024

Panel Member | *Data Driven Performance*

Esports Coaching and Performance Summit 2023

Speaker | *Esports Research Methodology*

Esports Science Symposium 2023

Panel Member | *Sustainable Business in Esports*

Esports Research Network Conference 2022

EDUCATION

University College London (Institute of Education)

London, UK | Sept 2017 - Aug 2018

Postgraduate Certificate in Education, Physics with Mathematics

11 months

University College London (Institute of Child Health)

London, UK | Sept 2013 - Sept 2017

MSci Natural Sciences, Major in Medical Physics, Minor in Neuroscience

4 years