

Jake Wash

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SUMMARY

I am a motivated and passionate student with a deep interest in data analytics and AI, skilled in SQL, Python, and data processing technologies. I have practical experience in large-scale data analysis, statistical modeling, and data visualization. I am eager to apply my expertise to a global professional services firm, contributing to cutting-edge projects while continuing to grow in the fields of data analytics and machine learning.

EDUCATION

Technological University Dublin Ireland
Honors Bachelors. in Computer Science Sep. 2021 - Current

- **Relevant Modules:** Relational Databases and SQL Programming, Cloud Computing, Distributed Systems

Rathmines College Ireland
Level 6. In Software Development Sep. 2020 - Jul. 2021

- **Relevant Modules:** Object-Orientated Programming (C++), Software Architecture (Java), Graphical User Interface, Relational Databases, Network Infrastructure)

PROJECT UNDERTAKEN

Steam Game Analysis Using Data Processing Libraries Jan. 2022 – May. 2022

- Leveraged Python libraries such as NumPy and Pandas to collect, clean, and preprocess large datasets of Steam game releases.
- Performed comprehensive statistical analysis on game performance, user ratings, and release trends, utilizing Pandas for data manipulation and aggregation.
- Generated insights by analyzing key patterns and trends in the gaming industry, providing actionable recommendations for stakeholders based on data-driven analysis.
- Applied machine learning techniques, such as clustering and regression analysis, to predict game success and identify influential factors driving player engagement and retention.

WORK EXPERIENCE

Data Analyst Intern – Research Assistant Computer Science Inclusive Learning Environment (CSLINC)

May. 2024 - Sept. 2024 • Reference: Keith Quille Tel: +353 1 2207935 Email: keith.quille@tudublin.ie

- Performed statistical modelling and created data visualizations.
- Conducted research, designed, and implemented algorithms in **Python** (utilizing NumPy, Pandas) to solve complex problems.
- Assisted in analyzing and interpreting data using exploratory mathematical and statistical methods implementing the scientific method primarily using the principal component analysis.
- Collaborated with cross-functional teams to develop predictive models and optimize data-driven decision-making processes, enhancing operational efficiency.
- Automated data processing workflows using Python, reducing manual effort and accelerating data analysis while ensuring accuracy and consistency across large datasets.

Student Computing Tutor TU Dublin Tallaght Jul. 2023 - Aug. 2023

- Assisted students facing challenges with their third-level studies and exam preparation by offering targeted support and guidance.
- Organized sessions to review areas for improvement and provided clear explanations of the material, supported by custom documentation I created.
- Developed personalized study plans and resources tailored to each student's unique learning style and academic goals, ensuring more effective learning and retention of information.
- Monitored progress through regular feedback and adapted strategies to address any evolving academic needs, resulting in improved performance and increased confidence in challenging subjects.

TECHNICAL SKILLS

Programming Language: Proficient in Python, Java, JavaScript

Data Analysis & Tools: Proficient in SQL, Statistical Modeling

• Familiar with Power BI, MATLAB, Tableau, Machine Learning

Other IT Skills: MS Office, Excel, Git, Docker, Linux command line