

George David Nicholson | Email: George.nicholson1998@gmail.com LinkedIn: [linkedin.com/in/georgenicholson1998](https://www.linkedin.com/in/georgenicholson1998) GitHub: github.com/GeorgeNich

(Phone number removed for privacy)

Career Objective

Aspiring Data Scientist with a strong programming background and a passion for data science. Committed to contributing to Immutable's mission of NFT innovation within the Ethereum ecosystem. Equipped with expertise in statistical analysis, advanced coding, and data security principles. Eager to tackle complex challenges and drive personal and organizational growth through impactful contributions to data-driven projects

Education

Bachelor of Computer Science, Deakin University, Expected Graduation: June 2024

Key Courses: Data Wrangling, Machine Learning/Data Mining, AI/Computational Intelligence, Advanced Data Structures and Algorithms, Cryptography

Relevant Coursework

- **Cryptography:** Proficient in cryptographic principles and techniques, essential for ensuring data security and integrity in digital transactions and NFT technologies.
- **Data Analysis & Visualization:** Advanced skills in using NumPy, Pandas, and Seaborn for data manipulation and creating insightful visualizations.
- **Machine Learning & AI:** Skilled in building predictive models and applying machine learning algorithms; Familiar with TensorFlow and PyTorch for deep learning applications.
- **SQL & Database Management:** Strong SQL skills for data extraction, manipulation, and reporting.
- **Statistical Modelling:** Expertise in statistical analysis and modelling techniques, critical for data-driven insights and decision-making.
- **Data Structures and Algorithms:** Proficient in advanced data structures (e.g., trees, graphs) and key algorithms (search, dynamic programming). Focused on binary search trees, graph traversal (DFS, BFS), and AVL tree balancing, demonstrating efficient problem-solving capabilities.

Projects

- **Data Wrangling and Analysis:** Executed projects involving extensive data wrangling and analysis, demonstrating the ability to clean, transform, and interpret large datasets effectively.

- **Cryptographic Solutions in Data Security:** Developed projects focusing on the application of cryptographic methods to secure data storage and transmission, demonstrating the ability to protect sensitive information effectively.
- **Machine Learning Model Development:** Built predictive models for real-world datasets, showcasing skills in data preprocessing, model evaluation, and leveraging ML frameworks for insightful analysis with regards to Diabetes prediction and other datasets.

Professional Experience

- **Casino Croupier**, Crown Resorts Melbourne, April 2018 - Present
- **Player Welfare Officer**, Crown Resorts Melbourne, May 2024 - August 2024
 - Utilized observational skills and analytical thinking to monitor and ensure the safety and integrity of gaming operations.

Technical Skills

- **Programming Languages:** Proficient in Python, C# and C++ with experience in developing GUIs using Tkinter.
- **Data Science Libraries:** Advanced skills in scikit-learn, NumPy, Pandas, Seaborn; familiar with TensorFlow and PyTorch.
- **Cryptography Tools & Techniques:** Knowledgeable in implementing secure encryption and decryption methods, hash functions, and digital signatures.
- **Version Control:** Proficient in using Git and GitHub for efficient project management and collaboration.
- **Business Intelligence Tools:** Proficient in Tableau and Power BI for advanced data visualization and analytics.
- **Scientific Documentation:** Skilled in creating detailed scientific documentation, leveraging tools like LaTeX and Markdown to clearly articulate methodologies, findings, and technical specifications. Experienced in writing comprehensive reports and documentation that meet academic and industry standards.

Professional References

Matthew Weightman

Direct Manager at Crown Resorts Melbourne

Email: Mattweightman10@gmail.com (Phone number removed for privacy)