MILA VASIUTYNSKA

Melbourne
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PERSONAL SUMMARY

Adaptable and solutions-oriented Software Engineer with extensive experience in backend development, data analysis, and client-facing platforms. Skilled in procedural and object-oriented programming languages including Go, Python, PL/SQL, and C#. Proven ability to troubleshoot complex systems, improve performance, and deliver scalable solutions. Experienced in supporting web dashboards and customer-facing tools. Strong communicator with a collaborative and "can-do" attitude, driven by integrity, teamwork, and continuous learning.

SKILLS

- **Languages & Scripting:** Go, Python, SQL, R, C#, JavaScript
- **Databases:** PostgreSQL, Oracle
- **Frameworks & Tools:** REST APIs, Amazon SQS, Jenkins
- **Analytics & Python Libraries:**
  Visualisation & Reporting: Tableau, Excel, Power BI, Seaborn
  Data Handling: Pandas, NumPy
  Machine Learning & AI: TensorFlow, scikit-learn, Keras

- **Client-Facing Platforms:** Support and integration for interactive web dashboards and SaaS environments
- **Testing & DevOps:** CI/CD, Git, Docker, Unit & Performance Testing
- **Other:** 3D Asset Pipelines

SELECTED DATA PROJECTS

- **AI Data Hackathon: Detecting Landmines from Drone Images (Python, 2025)**
  Participated in a two-day sprint to develop an AI model for detecting various types of landmines in Ukraine using drone imagery. Using the YOLO object recognition model, our team placed 7th out of 15 participants. Despite entering a completely new domain, we built a model that successfully identified the majority of landmines through 30 hours of intensive work and by overcoming numerous technical challenges. Read more in my LinkedIn post
- **CIBMTR – Equity in Post-HCT Survival Predictions (Python, 2025)**
  Analysed transplant patient data, handled missing values, and developed predictive models to enhance both accuracy and equity in survival predictions across diverse patient populations.
- **Bellabeat Case Study (R, 2024)**
  Conducted exploratory data analysis on smart device usage to inform Bellabeat's marketing strategy—generating actionable insights for content creation, targeted advertising, and community engagement.

EXPERIENCE

JIGSPACE
Melbourne, Australia

Software Engineer   01/2022 to 09/2025

Founding team member contributing to the growth of JigSpace from a 5-person start-up to a thriving team of 20+, delivering engineering excellence and process improvements.

- Designed and implemented backend features for a SaaS platform using Go, PostgreSQL, and AWS.
- Built and integrated a machine learning-powered collision object generator as part of a microservices-based 3D asset pipeline for Vision Pro, automating asset handling and enhancing performance and user interactivity.
- Conducted root cause analysis and performance optimisation of 3D asset pipelines, improving throughput and resource usage by 20%.
- Built React.js interfaces to show backend-driven analytics for users' 3D content.
- Developed automated test suites and CI-driven pipelines, reducing integration test times by 25%.
- Developed RESTful APIs and Slack-integrated tools to streamline file processing and reprocessing pipelines using Amazon SQS, EFS, and PostgreSQL.

JIGSPACE
Melbourne, Australia

Technical / 3D Artist 01/2018 to 12/2021

Streamlined workflows and automated tasks, increasing internal studio team productivity by 30%. Led a team of three in content creation supervision and project scope discussions with clients.
- Developed Python add-ons and conversion templates to enhance 3D artist workflow efficiency.
- Implemented AWS pipeline process, expanding supported 3D formats from one to five.
- Created custom scripts using Blender Python API for processing and rendering 3D models, enhancing scalability.
- Developed custom shaders in Babylon.js and Unity for optimised rendering performance.
- Produced video and 3D presentation content for client delivery and internal use.

UKRSIBBANK, BNP PARIBAS GROUP
Kyiv, Ukraine

Head of Budgeting and Management Reporting Teams 01/2010 to 05/2015
- Directed more than 10 automation initiatives, improving efficiency within the finance department via SAP integration for procurement oversight.
- Oversaw development of local databases, accelerating monthly report creation and streamlining ad-hoc task execution.
- Employed technical expertise, including SQL on Oracle databases, Excel Macros, and Access database design to boost team productivity.

UKRSIBBANK, BNP PARIBAS GROUP
Kyiv, Ukraine

Management Reporting and Data Analyst 06/2007 to 12/2009
- Led budgeting, forecasting, and management reporting across diverse business segments — including Corporate, Small and Medium Enterprise, and Retail — covering 24 regions.
- Spearheaded automation initiatives that significantly enhanced efficiency and accuracy within the finance department, while supporting strategic decision-making through SQL-driven data insights.
- Developed comprehensive product analysis frameworks for the Retail division, enabling teams to monitor interest rate trends and evaluate the impact of operational changes on financial performance.

EDUCATION

GOOGLE DATA ANALYTICS SPECIALISATION 07/2024
Coursera, online
- Data cleaning
- Data transformation
- Big Data
- Data Visualisation (Tableau)
- R programming, SQL and Spreadsheets

ADVANCED DIPLOMA OF GAME DEVELOPMENT: 01/2018
Academy of Interactive Entertainment (AIE), Melbourne
- 3D ART,
- UI/UX Design,
- C#, UNITY

B.A.: FINANCE AND ECONOMETRICS
Taras Shevchenko National University of Kyiv, Kyiv
- Incl. Accounting
- Financial and data analysis

M.A. AND B.A: COMPUTER AND INFORMATION SCIENCE
Taras Shevchenko National University of Kyiv, Kyiv
- Graduated with honors
- Databases (incl. SQL)
- Statistics and Probability
- Computer Science (incl. C++, C#)

CERTIFICATIONS AND MEMBERSHIPS

- AWS Certified Cloud Practitioner 2025
- Ladymates Collective Membership 2025

PROFILES

- LinkedIn: [Mila Vasiutynska](#)