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# Artur Idrissov

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## EDUCATION

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### University of Richmond

Richmond, VA, USA | Aug 2021 - May 2025

Dual Degree: B.S. in Computer Science; B.S.B.A. in Finance

Dean's List 2021 - 2022, Davis United World College Scholar

### Yonsei University

Seoul, South Korea | Aug 2023 - Dec 2023

Study Abroad Program in Computer Science and Business

### UWC ISAK Japan

Karuizawa, Japan | Aug 2019 - May 2021

High School - International Baccalaureate Diploma Programme

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## SKILLS

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**Technical:** C++, Java, Python, SQL, Pytorch, Tensorflow, Keras, Matplotlib, Pandas, Numpy, RESTful Web Services

**Coursework:** Algorithms, Data Structures, Database Systems, Deep Learning, Artificial Intelligence, Machine Learning, Software Systems Development, Linear Algebra, Discrete Structures, Corporate Finance, Investments

**Languages:** English (Fluent), Estonian (Fluent), Russian (Fluent), Japanese (Beginner), Korean (Beginner)

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## WORK EXPERIENCE

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### Melody Magic Music Studio - Data Analyst (*SQL, Excel*)

Richmond, VA, USA | Oct 2022 - Dec 2022

- Managed extensive datasets covering 3+ years of business operations using SQL
- Developed Excel data recording system with macros and power pivots
- Employed regression analysis to create predictive models for income and enrollment
- Utilized SQL to provide a clear view of key performance indicators and identified trends in revenue and sales
- Collaborated within a team to provide strategic recommendations that increased income by 8%

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## PROJECTS

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### Song Cover Image Generator (*Pytorch, Tensorflow, Keras, Matplotlib, Deep Learning, AI, ML*)

- Developed a system allowing users to input a song and generate emotionally compatible cover images
- Trained and developed an MLP model to classify song genres with 94% accuracy within 3 seconds
- Utilized Librosa library's Short Time Fourier Transform to extract features from the input song's .wav file
- Applied the extracted features and genre information to a tailored prompt for the Stable Diffusion model to generate the cover image appropriate to the song
- Tested on known songs, demonstrating a strong visual resemblance between generated and actual cover images

### Kimchi Classification (*Pytorch, Matplotlib, Deep Learning, AI, ML*)

- Constructed and trained MLP and CNN models to classify images among 13 types of kimchi
- Determined accuracies of MLP and CNN models are 78% and 91%, respectively

### Traffic Simulation (*C++*)

- Collaborated on a C++ project and developed a comprehensive four-way intersection simulation
- Designed a dynamic environment with traffic lights and diverse vehicular flow