ANDREEA-DANIELA BACIU

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Languages: Fluent in English and Romanian (native)

1st class computer science graduate with extensive knowledge of object-oriented programming and data science principles. Seeking a technical graduate role to progress my career journey and provide excellent services.

EDUCATION

BSc Computer Science at City, University of London

Grade: 1st class

Modules Included: Mathematics and Programming for AI, Computer Vision, Data Structures and Algorithms, Language Processors, Mathematics for Computing, Theory of Computation, Object-Oriented Analysis and Design.

Diploma de Baccalaureat at Ovidius High School of Constanta

Grade: 8.8 (Equivalent with A-levels - ABB): Mathematics, Physics, Informatics and Romanian Language

TECHNICAL SKILLS

- **Programming Languages:** Python, Java, C++
- **Database and Web:** SQL, SQLite, MySQL, PHP, HTML, CSS, JavaScript
- **Other:** Jupyter Notebook, Google Colab, Visual Studio, Git, Visual Paradigm, IntelliJ, Jira, MS Suite, Django

PROJECTS & ACHIEVEMENTS

Developer Virtual Experience Program - Accenture Nordics Developer:

Tasks Completed:

- **Architecture:** Defined priorities and formulated measurable requirements; Evaluated design decisions and options to run the software.
- **Artificial Intelligence:** Interpreted the correct functionality the client needs; Advised the client on how to proceed with the planned machine learning algorithm.
- **Security:** Conducted a security maturity assessment and implemented the appropriate access policies for various kinds of data.
- **Programming:** Read and debugged the client's code.
- **Testing:** Implemented tests for code units and explored user acceptance testing.

Data Analysis using Machine Learning - (Python, Google Colab, Jupyter Notebook):

- Researched and developed several convolutional neural network models in an Agile environment to detect cancer metastasis using the Patch Camelyon dataset, TensorFlow, Keras and Joblib libraries by optimising the models to improve predictive performance.
- Developed 3 Facial Emotion Recognition models, evaluated and compared the performance of different ML architectures.
- Produced and implemented neural networks using PyTorch to classify images using CIFAR-10, fashion-MNIST and MNIST datasets. I investigated factors such as multicollinearity, outliers and selection bias when performing linear regression.

Team Project - BAPERS Admin System - (Java, Visual Paradigm, IntelliJ):

- As a project manager and designer, I supervised and worked alongside the team to create an Automated Recording System. I delegated tasks, led meetings, kept track of progress, and ensured that we successfully met the requirements, resulting in the effective deployment of the product to the client.

WORK EXPERIENCE

Bright Network   **Intern**   **United Kingdom, June 2020 - July 2020**

- **Technology:** Undertook a project manager role and designed a release plan under two days for facial recognition software, including 10+ user stories, project management, and communication plans, considering complexity management.
- **Consulting:** Developed a customer loyalty program, proposed a strategy for earning reward points and built an implementation plan using a quantitative and qualitative market assessment.
- **Business, Operations, and Marketing:** Produced a new expanding location recommendation by conducting in-depth research of 4 UK-based cities and constructed a marketing plan.