D11VK13 | +353 89 2389759 | deborah.djon@gmail.com | www.djon.info | in Deborah Djon | ○ deborahdjon | ○ lipilli

DEBORAH DJON

MSc Computing Student Major Artificial Intelligence

Motivated and engaged student with more than 1.5 years of international work experience in internships based in several industries. Skilled in data science technologies and methodologies. Comfortable with building web applications using several programming languages and frameworks.   *References on request!*

EDUCATION

Dublin City University   09.22-current
Degree: MSc Computing; Major Artificial Intelligence
Core modules: Machine Learning, Data Management and Visualisation, Statistical Data Analysis, Artificial Intelligence and Information Seeking, Data Management and Visualization, Professional Research Practice

Baden-Württemberg Cooperative State University   10.19-09.23
Degree: BSc Computer Science; Major Computational Data Science; Upper second-class honours
Core modules: Database Systems, Big Data Architectures, Programming (Java, C, Python), Communication and Networks, Web Engineering, Software Engineering, Algorithms and Complexity, Mathematics

ProTechnicale, SOPHIA.T gGmbH   08.18-06.19
STEM gap year programme

Gymnasium Farmsen (secondary school)   08.09-06.18
Degree: Abitur (German high-school diploma); Upper second-class honours
High School year at Lutcher High-School in Louisiana, USA   07.15-08.16

RELEVANT INTERNSHIP EXPERIENCE

Machine Learning Engineer at Nokia Bell Labs, France   05.22-09.22
Task: Implementing a machine learning framework for resource allocation in optical software-defined networking controller for my bachelor thesis. The product is used for further research on future optical networks.
Technologies: Python, Java, Bash, Docker, JSON-RPC, OpenDaylight

AWS Consultant at Nokia WaveSuite, Canada (remote)   05.21-09.21
Task: Benchmarking, comparing, and evaluating several Amazon Web Services cloud storage solutions for a given product. Recommending the best solution.
AWS Technologies: S3, Athena, Glue, Redshift, EMR, Timestream

Web Developer at Nokia for OpEN, USA (remote)   12.20-03.21
Task: Extending metrics tables of the Open Ecosystem Network (OpEN) while working in an international team across three time zones.
Technologies: Drupal, PHP, JavaScript, REST, SQL

Software Engineering at Nokia R&R ION, Germany   07.2021
Task: Creating an application for data collection from Nokia devices. The application can be used for predictive maintenance purposes in the future.
Technologies: Bash, C++

TECHNICAL SKILLS

Pandas • Python • Java • NumPy • Seaborn • Spark • Jupyter Notebook • Hive • AWS • GCP
HTML • SASS • JavaScript • ThreeJS • Angular • PHP • VSC • IntelliJ • GIMP • C++ • Microsoft 365

PROJECTS

Side Channel Attack for Identifying YouTube Videos From Encrypted Network Traces (in progress)

My MSc final project involves engineering a machine learning side-channel attack that fingerprints and detects predefined videos in real-time encrypted network traffic.

Technologies: TensorFlow, Jupyter Notebook

A* Algorithm Visualisation

This MSc ThreeJS project visualizes the A* algorithm in a 3D environment. In the application, an adversary continuously searches the optimal path for capturing the victim while navigating around moving objects.

Technologies: JavaScript, ThreeJS, Gimp

YouTube Video Analyst

This MSc group project is a Flask application that lets users analyse popular YouTube videos by several factors such as region or category. The application funnels a Kaggle dataset through an ETL pipeline and displays the data in an interactive and user-friendly manner. My contributions included team lead and data transformation using PySpark.

Technologies: Python, PySpark, GCP and Google BigQuery, Google Data Studio, Flask

CICBO (CICBO Is Corona Business Optimiser)

This BSc project is an application for tracking COVID infections in a restaurant. The application allows businesses to track staff and clients COVID infections and send out warnings to all contact persons. I created the app front end.

Technologies: Angular, TypeScript, Less, CSS, HTML

LANGUAGES

German (Native) • English (Fluent) • French (Advanced)

VOLUNTEERING

Chair of Youth and Trainee Representative Council Nokia Stuttgart   10.20-06.20

Spokesperson for dual students and other young employees. Organization of initiatives to improve dual studies at Nokia Stuttgart.

Volunteer Work for Medienkompetenz-Team e.V.   10.20-09.22

Quality assurance and review of technical documents and learning units created within the EU project CUMILA.

Youth leader church community Meindorf-Oldenfelde   05.17-08.19

Organisation of and assistance with family services and children's services

Prefect   08.16-07.18

Supervision during breaks, contact person for younger students in case of problems, organization of events for students.

INTERESTS

Caving • Diving • Running • Swimming • Climbing • Knowledge Management • Illustration