

Julia Wiktoria Zieba

+44 07494899133 | julia.w.zieba@gmail.com | [linkedin.com/in/juliawiktoria](https://www.linkedin.com/in/juliawiktoria) | github.com/juliawiktoria

EDUCATION

University of Aberdeen

Bachelor of Science in Computing Science

2017/09 – 2021/05

Aberdeen, United Kingdom

- First Class Honours
- Thesis: "Normalising Flows for Synthetic Image Generation"
- Teaching Assistance in Business and Computing Enterprise
- Member of the University Student Council and Environment and Ethics Committee
- Relevant Coursework: Algorithmic Problem Solving, Distributed Systems and Security, Mathematics, Enterprise Computing, Software Engineering, HCI, Web Development, Research Methods

University of Oslo

Erasmus+ Exchange Student

2018/08 – 2018/12

Oslo, Norway

- Participated in a semester-long student exchange programme
- Relevant coursework: Biologically Inspired Computing, Programming Languages, Mathematical Logic
- Extracurricular activities: OSI Basketball Team, Amnesty International

VIII Maria Skłodowska High School

Advanced Mathematics, Physics, and Informatics Programme

2014/09 – 2017/05

Katowice, Poland

- Graduated with Honours

EXPERIENCE

Junior Software Engineer

Lendable

2022/11 – Present

London, United Kingdom

- Took part in Lendable's extensive Junior Software Engineering training for new joiners covering essential topics of Software Development
- Developing Lendable collections back-end systems in PHP and Kotlin

Supply Chain Analyst

Amazon

2021/09 – 2022/10

London, United Kingdom

- Ownership of S&OP processes for VendorFlex EU, Customer Returns EU, and Vendor Returns UK networks
- Worked with an international EU-team to develop and deploy sophisticated ML planning processes for Customer Returns EU
- Leveraged knowledge of Python and SQL to provide data-driven solutions improving accuracy and time of delivery of the weekly S&OP plans
- Collaborated with a large number of international stakeholders on delivering VendorFlex S&OP strategy in the EU
- Continued to improve and standardise automation methods previously delivered during the internship
- Coordinated a timely and issue-free handover of the VendorFlex S&OP planning to another team by providing and supervising a comprehensive training sessions
- Managed the daily inbound execution of 3 Speciality Amazon warehouses in the UK to optimise the network picture

Business Intelligence Intern

Amazon

2021/06 – 2021/09

London, United Kingdom

- Developed and implemented an automated S&OP planning system, contributing to saving 5hrs per week
- Collaborated with a senior members of the UK S&OP team, and gained understanding of the Supply Chain and Operations Planning
- Delivered a number of reports and data visualisations, which contributed to increasing visibility into an EU-wide Amazon warehouse network and provided stakeholders with more data points for informed decision-making

Teaching Assistant

University of Aberdeen

2021/01 – 2021/05

Aberdeen, United Kingdom

- Assisted in tutorials for a level 3 Business and Computing Enterprise course at the UoA for over 40 students
- Oversaw and directed student group discussions regarding business-centred product development
- Assessed and communicated student group's progress to senior lecturers and course coordinators

Programming Intern

University of Aberdeen

2019/06 – 2019/08

Aberdeen, United Kingdom

- Collaborated with another intern under supervision of senior IT Managers to design a website and a database schema based on the provided specifications
- Utilised HTML, jQuery, Materialize, and Bootstrap for front-end development, and C#, and ASP.NET for back-end development
- Delivered a final presentation on the result of the project to a company-wide audience

PROJECTS

Normalising Flows for Synthetic Image Generation | *Python, PyTorch, Git, L^AT_EX* 2021/01 – 2021/05

- Conducted extensive research in the fields of Machine Learning, Computer Vision, Generative Modelling, and Data Augmentation
- Designed a Normalising Flows-inspired Generative Model for Image Generation based on the conducted research
- Gained experience in quantitative and qualitative research data analysis
- Delivered a detailed research paper, a poster and a presentation based on the conducted research
- Presented findings of the study to a wider audience from different fields of Computing Science

Performance of different mutations for Genetic Algorithms | *Python, L^AT_EX, Git* 2020/10 – 2020/12

- Created a mini-research project for the Research Methods course in Year 4 at the UoA
- Gained knowledge of research best practices and statistical analysis methods used in quantitative research
- Implemented a Genetic Algorithm solution to the Travelling Salesperson Problem with 4 different types of mutation operators
- Designed and implemented experiment pipeline for generating data for further analysis
- Evaluated and compared performance of different mutation operators used in Genetic Algorithms

Gamified task manager | *Python, Django, REST API, React JS, JavaScript, L^AT_EX, Git* 2019/11 – 2020/03

- Co-led a group of 7 students in a year-long software development project for Principles of Software Development and Software Development courses during Year 3 at UoA
- Conceptualised a new version of task manager – Tasket – based on the principles of gamification
- Improved skills in front-end and back-end development, application testing, and product deployment
- Managed a weekly cycle of product development by overseeing meetings and keeping track of the agreed timeline
- Gained understanding of product management and software engineering best practices in web development
- Conceptualised a product pitch and directed the advertisement video

This resume | *L^AT_EX* 2022/11

- Created this resume in L^AT_EX

TECHNICAL SKILLS

Programming Languages: Python, C++, JavaScript, HTML, CSS, C#, JavaScript

Frameworks: Django, React, Material-UI, Bootstrap

Developer Tools: Git, VS Code, Visual Studio, PyCharm, IntelliJ, Eclipse

Other tools: MS Office, SQL (PostgreSQL, Amazon Redshift, MySQL), Power BI, L^AT_EX

LANGUAGE SKILLS

English: full technical and business proficiency

Polish: native speaker

Russian: pre-intermediate

German: beginner