

# Julia Wiktorja Zieba

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## EXPERIENCE

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### Software Engineer

2023/12 – Present

*Lendable*

*London, United Kingdom*

- Moved to a new BE Superapp team focused on developing a new Lendable mobile application for centralising all Lendable products
- Leveraging Kotlin for creating a customer-facing flagship product of our company
- Implementing complex end-to-end features targeted at customer engagement and retention
- Taking part in conferences and internal guilds focused at cross-team knowledge sharing

### Junior Software Engineer

2022/11 – 2023/12

*Lendable*

*London, United Kingdom*

- Completed company-provided Junior Engineering Training covering good practices of Software Engineering
- Leveraging PHP and Symfony for implementing collections-specific features for Lendable Personal Loans product
- Leveraging Kotlin for implementing collections-specific central modules for internal use
- Collaborating with Senior Engineers during company hackathons and conferences

### Supply Chain Analyst

2021/09 – 2022/10

*Amazon*

*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 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
- Facilitated a timely and issue-free handover of the VendorFlex S&OP planning to another team by coordinating comprehensive training sessions
- Managed the daily inbound execution of 3 Speciality Amazon warehouses in the UK to optimise the network

### Business Intelligence Intern

2021/06 – 2021/09

*Amazon*

*London, United Kingdom*

- Developed and implemented an automated S&OP planning system, saving 5hrs weekly
- Collaborated with 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

2021/01 – 2021/05

*University of Aberdeen*

*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

2019/06 – 2019/08

*University of Aberdeen*

*Aberdeen, United Kingdom*

- Collaborated with another intern under supervision of senior IT Managers to design a website and a database schema based for central management of communications from multiple clinical trials
- 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

## EDUCATION

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### 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"
- Relevant Coursework: Algorithmic Problem Solving, Distributed Systems and Security, Enterprise Computing, Software Engineering, HCI, Web Development, Research Methods

### University of Oslo

*Erasmus+ Exchange Student*

2018/08 – 2018/12

*Oslo, Norway*

- 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

## SELECTED PROJECTS

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### Normalising Flows for Synthetic Image Generation | *Python, PyTorch, Git, L<sup>A</sup>T<sub>E</sub>X*

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<sup>A</sup>T<sub>E</sub>X, 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<sup>A</sup>T<sub>E</sub>X, 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<sup>A</sup>T<sub>E</sub>X*

2022/11

- Created this resume in *L<sup>A</sup>T<sub>E</sub>X*

## TECHNICAL SKILLS

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**Programming Languages:** Kotlin, Python, PHP, C++, JavaScript, HTML, CSS, C#, JavaScript

**Frameworks:** Symfony, Django, React, Material-UI, Bootstrap

**Developer Tools:** Git, JetBrains, MS Office, SQL (PostgreSQL, Amazon Redshift, MySQL), Power BI, *L<sup>A</sup>T<sub>E</sub>X*

## LANGUAGE SKILLS

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**English:** full technical and business proficiency

**Polish:** native speaker

**Russian:** intermediate

**German:** beginner

**French:** beginner