Ella Gryf-Lowczowska

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SOFTWARE DEVELOPER CAREER

Please visit https://ellagryf.com/ for an interactive version of my CV that demonstrates my frontend skills.

Frontend Developer Professional Certification | Meta | GPA 95%
Comprehensive knowledge and practical experience of **HTML**, **JavaScript**, **React.js**, **CSS, npm, UX/UI** design. For the **final capstone project** I built an online food ordering and table reservation application for imaginary restaurant 'Little Lemon'. The code is on my GitHub: https://github.com/Ella-Gryf/MetaFrontEndCertification.git

Analyst | Goldman Sachs, Core Engineering | Jan 2022 - Feb 2023
I worked in a backend Java team that provided a large microservices-based centrally-hosted decision execution web service, featuring RESTful APIs and scale-out farm of execution engine nodes. Skills acquired:
- **Site Reliability Engineering**: Configured observability for our platform using Prometheus & Grafana
- **Kubernetes**: Containerised our service and configured for deployment with ArgoCD
- **AWS**, IaC (**Terraform**), **microservices**, **RESTful APIs**, Nimbus, Elasticsearch, Kafka
- **Agile** framework, TDD, peer code reviews, documentation, diverse global company culture

Internship | Goldman Sachs, Core Engineering | July-August 2020
I developed an inventory feed to report on the state of users' decision models by querying our platform's APIs for the model metadata.

EDUCATION

MSc Computer Science | University of Bristol | Sept 2021 – Jan 2022 | Distinction
Taught conversion Masters with units covering: **C**, **Java**, **computer architecture**, **database management (SQL)** and web development using **Angular and Typescript**.
Dissertation: I conducted research in computational neuroscience and natural language processing. I wrote a **deep neural network (LSTM)** and investigated its ability to recognise the grammatical structure implicit in unstructured Esperanto datasets. Technologies/libraries used in dissertation include **Python**, **PyTorch**, **NumPy**, high-performance computing cluster, Git, open-source Esperanto datasets.

MA Liberal Arts | University of Bristol | Sept 2016 – 2020 | First Class
Integrated Masters with a major in **Philosophy and Logic**. Third year spent as an **exchange student** at Boston College, Massachusetts. Masters year units covering philosophy of physics, the digital age, probability theory and ethics. For the **dissertation** I conducted an ethical and psychoanalytic analysis of human rights and moral disengagement in the context of **climate change**.

iOS Boot Camp | Boston College | June 2019
I designed and implemented a sustainability-oriented marketplace app for iOS using Swift.

VOLUNTEERING

Buddy | Goldman Sachs x CFG | Aug – Nov 2022
I provided support for a participant on Code First Girls' Goldman Sachs-sponsored nano-degree.

Charity Director & ELA Officer | FUZE Bristol | Oct 2019 – June 2021
- FUZE is a student-led charity fashion, music and dance show
- **Raised £28,000** for charities supporting refugees, race equality and homelessness
- Received Bright Network's annual award for UK society with the **best Diversity and Inclusion**

REFEREES
- Manager at Goldman Sachs: Marek Bubala, Marek.Bubala@gs.com
- Dissertation Supervisor: Dr Conor Houghton, conor.houghton@bristol.ac.uk | +441179545140