

Ella Gryf-Lowczowska

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SOFTWARE DEVELOPER CAREER

Frontend Developer Professional Certification | Meta | GPA 95%

Comprehensive knowledge and practical experience of **HTML, JavaScript, React, CSS, UX/UI** design methodologies and technologies. For the **final capstone project** I built an application for an imaginary restaurant 'Little Lemon' that enables customers to order food delivery online and reserve tables at the restaurant. The code is accessible via 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 centrally-hosted, microservices-based decision execution web service for internal developers to automate business logic using our RESTful APIs and scale-out farm of rule 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, using Java and company APIs, to report on the state of users' active decision models on the team's platform.

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