

# LIBBY REAR

## PERSONAL INFORMATION

DATE OF BIRTH:	20/12/2000	WEBSITE:	<a href="https://lubbly-jubbly.github.io">lubbly-jubbly.github.io</a>
PHONE:	+44 7402 219 371	GITHUB:	lubbly-jubbly
EMAIL:	libby.rear@gmail.com	LANGUAGE:	English Native, German CEFR B2
LOCATION:	Berlin, Germany		

## RELEVANT WORK EXPERIENCE

NOV 2022 - MAY 2024	<b>Graduate Full-stack Software Engineer at STREAMBA, Glasgow</b> <ul style="list-style-type: none"><li>Working within a small team on a logistics and emissions-reduction platform.</li><li>Front-end: React (TypeScript, Bootstrap, Redux). Back-end: ASP.NET Core (C#).</li><li>Created a requests system for flights and voyages, including CRUD functionality, approval workflows, and efficient data handling using Redux, Cosmos DB, and the Repository pattern.</li><li>Built user management features, querying APIs to visualise user interactions in charts and tables.</li><li>Designed a priority freight tracking system to minimise emergency transport use, including a visualisation dashboard and priority freight flagging throughout the platform.</li><li>Created an interactive supply chain dashboard with graphs and tables (React Google Charts, Bootstrap), querying operations data, generating reports, and optimising performance with Redis caching. Created customer-facing Azure API endpoints to allow users to create their own visualisations.</li></ul>
AUG 2017 - MAY 2018	<b>Higher Maths Tutor, Edinburgh</b> <p>Worked 8 hours per week with a student who had previously failed Higher Maths, explaining concepts, preparing lessons and working through questions with him. The student earned a B in his exam.</p>

## EDUCATION

2021-22	<b>MSc in SOFTWARE DEVELOPMENT, University of Strathclyde, Glasgow</b> <p>GRADE: Distinction (80%)</p> <p>FINAL PROJECT: React Native app aimed at hospitality businesses that creates a rota based on the availability and preferences of employees. This involved solving a constraint satisfaction problem, for which I created a modified greedy algorithm. Utilises Google's Firebase Realtime Database and Authentication. <a href="https://github.com/lubbly-jubbly/Switch">github.com/lubbly-jubbly/Switch</a></p>
2018-21	<b>BSc in MATHEMATICS, University of Nottingham, Nottingham</b> <p>GRADE: 1st (84%)</p>
2017-18	<b>SQA Qualifications, George Watson's College, Edinburgh</b> <p>Advanced Highers in MATHEMATICS, ENGLISH and STATISTICS: A<sub>1</sub>, A<sub>1</sub>, A<sub>2</sub></p>

## TECHNOLOGIES

LANGUAGES	Python	C#	Java	HTML	CSS	JavaScript	TypeScript	MATLAB
LIBRARIES	React	React Native	Redux	Bootstrap				
DATA	SQL	Cosmos DB	Firebase DBs	REST APIs	Redis			
OTHER	Git	L <sup>A</sup> T <sub>E</sub> X	Figma	Android Studio	Docker	Node	Postman	Wordpress
	Jira	Kanban	Unity					

## VOLUNTARY WORK

APR 2024 - AUG 2024	<b>Web Developer, Glasgow Community Energy</b> <p>Improvements to the Wordpress site of a renewable energy co-operative based in Glasgow. Work so far has included setting up a paid membership system with Stripe and creating an interactive map.</p>
SEP 2020 - AUG 2021	<b>Maths Tutoring Leader, University of Nottingham.</b> <p>I volunteered as a peer mentor for first year university students, running weekly maths help sessions as well as giving general support in their transition to university.</p>