

Contact Information

- Name: Alastair Mottram-Epson
- alastair.mottram-epson@outlook.com
- [LinkedIn Profile](#) | [GitHub Profile](#)

Programming Skills

- HTML, CSS, **JavaScript**, **React.js**, **TypeScript**.
- Node.js, Express.js.

Experience

Apprentice UX (Front-end) Developer at De Montfort University

1 year 8 months (August 2020-present) | JavaScript, UI5, OData, ABAP

- Worked frontend in a team of 4 to **speed up form completion** on an internal tool by **62%** (from **18.5s to 11.4s**) via defaulting input field values using **UI5** and ABAP OData Services.
- Prototyping UI5 web apps, debugging and fixing UI5 & ABAP defects, ROI estimating.

Projects I initiated and led:

- **Saved 10 days** of productivity & **sped up build by 91s** for a dev team of 4 by reducing tooling/config & errors via **migrating the codebase build tools** from Grunt to UI5 tooling.
- **Improved code quality** by implementing **mandatory code review** via Azure Dev Ops cross repo branch policies, **detecting 3 code quality mistakes** per change (on average).
- **Prevented errors** and standardized code style by configuring **ESLint & prettier** in a codebase, catching **245 minor and stylistic issues**.
- **Prototyped refactoring solution**, causing average files length to **reduce by 89%** (1622 lines to ~175 lines (estimate)) via **modularizing an existing UI5 codebase**.
- **Reduced** a fellow apprentice's **onboarding time by 3 days** via providing relevant **nonmandatory training** before entering the organization.

(Voluntary) Web developer at Aldersbrook Horticultural Society

1 year 1 month (May 2020-Jun 2021) | WordPress

- Analyzed requirements, created mock-ups, and presented the designs to a committee of 6.
- Supported and trained Web Administrator with accounts and WordPress site admin.

Personal Projects

[Go-tactics](#) - 1 month (Feb-March 2022) | **React.js**, **Cypress**, **TypeScript**, **Node.js**, **Express.js**

- REST API for file uploading, routing by **Express.js** backend. **IndexedDB** to store user data.
- Created a complete **Cypress** integration test suite by practicing **Test Driven Development**.
- Wired framed UI via Figma and designed UI architecture before coding.

[My Portfolio Website](#) - 2 weeks (Feb 2022) | **HTML**, **Tailwindcss**, **TypeScript**

- **Reduced** first render by **0.5 seconds** from 1.7s to 1.2s by migrating from React.js, Chakra-UI & Gatsby to HTML, Tailwindcss, and TypeScript.
- **ReCaptcha & SendGrid** API to send email messages on the home page by Netlify Functions.

Education

- BCS Level 3 Apprentice Software developer Context & Programming Exam - pass.
- A-Levels: Economics (A), Politics (B), Religious Studies (B).