

## WORK EXPERIENCE

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**Full-Stack Developer** **Its Lolly Ltd** **Dec. 2019 – Present**

- Developed both the front and back-end of a mobile-friendly ASP.NET web ordering site, currently being used by clients such as Disney (<https://disney.itslollyhq.com/preorder>), Royal Opera House (<https://roh.itslollyhq.com/preorder>), and Southbank Center (<https://southbank.itslollyhq.com/Preorder/>).
- Integrated with payment providers (Cardstream and Optomany) into web and app ordering, improved user flexibility and UX by providing various payment methods such as stored card as well as apple and google pay.
- Designed and developed KPIs for web and app ordering and user performance, as part of a larger collaborative Blazor dashboard project, resulting in easier client marketing and improved sales.
- Designed and developed tablet-based application in WPF leading to increased mobile ordering app downloads.
- Tested a wide range of products, discovered bugs and documented replication steps to assist senior developers.

**Office Assistant** **Tosswill and Co Solicitors** **Summer 2018**

- Reorganised digital file system resulting in saved time and easier file access for staff.
- Assisted staff with various IT problems, including both hardware and software issues.

## SKILLS

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- **Languages and Libraries:** JavaScript; HTML5; CSS3; C#; jQuery; ReactJS; Bootstrap; SQL; JSON; VB.Net; C++ (Prior Experience); WPF (Prior Experience); WinForms (Prior Experience); XAML (Prior Experience).
- **Technologies and Tools:** Visual Studio; VS Code; .NET and .Net Core; NuGet; ASP.NET; ASP.NET Core; MVC; Blazor; LINQ; GitHub; Version Control (Git, Mercurial); SSMS; AJAX; Google Cloud API; Adobe Suite; Microsoft Office; Unit Testing (Prior Experience); Azure (Prior Experience); Postman (Prior Experience); Brackets (Prior Experience).

## TECHNICAL EXPERIENCE

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More projects available at [GitHub](https://github.com) and [alexpatey.com](http://alexpatey.com)

- **[OCR “Optical Character Recognition” Tool](#)**. Web application that converts images containing hand-written notes into digital text files. Uses Google Cloud API, C#, HTML5, CSS3, JavaScript, ASP.NET Core, SQL
- **[Convex Hull Simulator](#)**. WPF application that simulates the convex hull algorithm (finds the smallest convex polygon for a given set of points). Educational tool for computational geometry. Uses VB.Net, Windows Forms

## EDUCATION

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**Just IT / Its Lolly Ltd (Software Development Technician Level 3 Apprenticeship)** **Dec. 2019 – July. 2021**

- Completed Software Development Technician Level 3 Apprenticeship through Just IT whilst working for Its Lolly Ltd. Awarded by the Institute for Apprenticeships & Technical Education.

**Langley Park School for Boys** **2011 – 2019**

- A Level Grades as follows: C for Computer Science; C for Mathematics; C for Graphics.
- GSCE Grades as follows: 8 for Mathematics; 8 for English Literature; 6 for English Language; A for Computing; A for Design and Technology; A for Chemistry; A for Physics; B for Biology; B for German.
- Achieved Best in School award (out of 1716 students) for the UK Intermediate Mathematical Challenge in 2017.
- Co-lead a C++ after-school club during year 13 of A-Levels.

## SOFT SKILLS AND INTERESTS

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- **Soft Skills:** Perform under pressure; Agile; Problem solving; Time management; Decision making; Leadership.
- **Interests:** Reading Fiction and Non-Fiction; Weight training; Oil painting; Music; Chess; Watching boxing.