

# Kyle Albert

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GitHub: <https://github.com/aya6266>

## About Me:

I was drawn to programming by my creativity and love of analytical problem solving. Being a self-driven front-end focused software developer, my ideal position would be with a company where I can apply my knowledge of web-development to problem solving whilst working my way to becoming a full stack developer.

## Current Projects:

### My Art Your Art

<https://aya6266.github.io/My-Art-Your-Art/>

Created using: React, CSS, Firebase API, Framer-motion.

A responsive single page application that uses Firebase Realtime Database which allows users to share art via a dynamic web page.

Skills - Firebase APIs, making custom useHooks and responsive web design.

### Wordle-Clone

<https://wordle-clone-9e05c.web.app/>

Created using: React, CSS, Firebase API.

A responsive single page application using Firebase storage which, via asynchronous function, fetches word bank text file and randomly selects a word.

Skills - asynchronous functions, useEffect and useContext.

### Kanboard

<https://aya6266.github.io/Kanboard/>

Created using: React, CSS

A single page application that fetches a JSON to produce a custom Kanboard. Tiles can be dragged, dropped, removed and added.

Skills - fetch API, manipulation of JSON and Drag and Drop API

### Art Generator

<https://aya6266.github.io/Kanboard/>

Created using: JavaScript, Webpack

A single page application that uses the canvas API to generate random lines, which at a random distance, generate a custom face from my own art work.

Skills – ES6 Classes, Math API, configuring Webpack e.g. custom loaders.

### Tic Tac Toe

<https://aya6266.github.io/Tic-Tac-Toe/>

Created using: HTML, CSS, JavaScript

A responsive single page application using factor functions to ES modules. Option to play against a human or a minimax algorithm, a backtracking which evaluates the board.

Skills – pure JavaScript knowledge, DOM API, Grid CSS and ES modules.

### Etch A Sketch

<https://aya6266.github.io/Etch-A-Sketch/>

Created using: HTML, CSS, JavaScript

A single page application which generates a grid with a custom resolution. The squares react to the mouse hovers.

Skills – CSS flexbox, event listeners and pure JavaScript knowledge

## Work Experience:

### **OXECO, Oxford - Formulation Technician**

**10/2021- Date**

Working in research and development to develop a custom coating. Researching and adapting a product based on the current trends in results. Maintaining a laboratory notebook for pending patent. Data analysis using advanced Excel Spreadsheet skills. Applying knowledge gained from reading research papers. Giving a weekly presentation to the Research Group regarding progress within the project. Communicating with suppliers to ensure solvents are up-to-date with current demand for the product. Using advanced scientific equipment, GC-MS, sonicator, moisture analysis, mastersizer and SEM.

### **Adecco Contract at Abbott, Witney - Complaints Investigator**

**06/2020-09/2020**

Worked to strict protocol and policy using Salesforce and Agile software for data administration. Investigated faults in diabetes care products including sensors, software, readers and applicators to identify the root causes of customer's complaints.

### **1-2-1 Tutoring, Durham University - A-Level Math's Tutor**

**10/2018-03/2019**

Volunteered weekly for one-to-one Math's tutoring at a local Durham secondary school. Covering statistical, algebra and mechanics concepts while providing insight in the UCAS application process.

### **Campden BRI, Chipping Campden - Lab Technician**

**09/2017-03/2018**

MAS of the microbiology department. The breakdown of victuals, dissolving and setting into agar plates. Maintaining correct paper-work, testing laboratory equipment and environment.

## Skills:

HTML, CSS, JavaScript, Webpack, Babel, Node.js, Express.js, React, Git, Jest, Python, framer-motion, JQuery, MonogoDB, Mongoose, Firebase, Adobe Illustrator, Adobe Photoshop, Vegas Pro, Procreate, Blender, Unity, Chrome devtools, Microsoft Word, Microsoft Excel, PowerPoint, Grade 5 in Violin and Grade 3 in keyboard. Chess 1400 ELO Chess.com

## Education:

### **Durham University**

**2018 – 2021**

**BSc Chemistry - Upper Second Class Honors**, with modules in Core Chemistry, Computational Chemistry, New Venture Creation, Advanced Organic Chemistry and Practical Chemistry.

### **Burford Secondary School**

#### **A-Levels**

**2017**

A in Math's, A in Chemistry and C in Biology.

#### **GCSE**

**2015**

A\* in Math's and English Language