

Eliot Austin-Forbes

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Software Engineer

experienced
used

javascript, react, node, html, css, jest, joi, linux, dart, flutter, mongo
python, java, scala, aws, heroku, vue, sql, gmaps

Projects

Liberty <https://www.liberty-hjc.com/>

2021

3D Trade Show Website (Node.js, React.js, Dedicated Server)

A website serving as a portal to a business-facing online 3D exhibition MMO game, complete with various social media capabilities, customer service integration, game file editor, and more.



- Sole responsibility for the entire site/stack.
- Technologies Used: javascript, react, node, html, css, jest, joi, linux (ubuntu dist), ssh (key management), mongo, ssl, git, npm.
- Highlights include:
 - A chat system with email notifications and file embedding.
 - A dynamic svg editor for game admins to manipulate an in-game map in real-time.
 - A news feed with a WYSIWYG text editor including locale support etc.

skillTrain github.com/skilltrain/skilltrain-app · play.google.com/store/apps/details?id=com.skillTrain.skillTrain

Jan 2021

Mobile Based Fitness Coaching (Dart, Flutter, AWS)

A mobile based full-stack application with an inhouse booking system alongside real time video and text chat for fitness



- In-depth authentication system in Dart with connection to AWS Cognito via Amplify.
- Completed integration of a payment API (Stripe) with full signups, payments, and payouts deployed to AWS. Payments through Android native pay, iOS native pay, or an in-app window.
- Demonstration (YouTube):
 - [Introduction](#)
 - [Demo](#)

Fruity github.com/Athelian/fruit-importer · fruit-importer.herokuapp.com

2020

Browser Based Food Importer (Node.js, React.js, Heroku)

A browser based application where users can group up and import a large crate of an exotic food to split with other locals who want a piece of the action



- Solo project with Express server built and deployed on Heroku.

Previous Employment and Experience

Elastic LLC (JP), Software Engineer

- Working as a software engineer at a Japanese company.
- Responsible for a website complimenting an online virtual trade show (see above).
- Some coordination with other engineers located in China and the US.

2021 -
present

Tokyo Academics (JP), Academic Tutor

- Worked as an academic tutor in central Tokyo, 100 - 200 total students taught.
- Tutored students through AP subjects with successful admissions into Harvard, MIT, Cambridge, etc.
- Taught basic coding and mathematics on a daily basis.

2018 - 20

RB (UK), Pharmaceutical R&D Analyst

- Worked as an analytical chemist on Strepsils at RB, HPLC + GC.
- Solved troubling mechanisms and presented findings to the category director, and submitted work to the FDA.

2015 - 16

Education

University of St. Andrews, Scotland

PhD (Doctor of Philosophy in Chemistry)

→ Microporous Solids

2017 - 18
(incomplete)

Masters (Master of Chemistry with Industrial Experience)

→ Electrochemical Fluoridation of Organic Substrates

2013 - 17

Hills Road College, Cambridge

A-Levels

→ Bio - [A], Chem - [A], Math (Statistics) - [A], Psych - [a], Academic Research [a]

2011 - 12

Language

- English - Native
- Japanese - Conversational

Interests

I have a passion for technology and a quick analytical mind ready for a new opportunity. In my spare time I enjoy badminton, playing the guitar, and have recently started a short course in Scala. I also have an N2 (日本語能力試験) certificate with an A/B grade.