

# Mahmoud Shawa

I am a full-stack developer looking to level up my career. I am a very fast learner who is passionate about self-improvement, and I am actively looking for growth and opportunities in software development.

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## Projects

**sahba.space** – TypeScript - Three.js - GLSL - GSAP

[Live Site](#) || [GitHub](#)

- A modern portfolio built around a **highly performant emulation** of a galaxy built with **Three.js**.
- Used **GSAP** to modify both Three.js and shader parameters by scrubbing the values according to scroll position.

**Culler** – TypeScript

[NPM](#) || [GitHub](#)

- Culler is a **0-dependency** JavaScript utility library that allows users to **generate fully customizable colors** in **rgb, rgba or hex** formats, as well as provide an intuitive way to apply colors to singular HTML elements, iterable collections of elements (nodelists, arrays etc), and CSS selector strings.
- Full support for **type-checking and autocomplete** for **ESM**, and **full backward compatibility** with **CJS**.
- At the time of writing, culler is getting **2,000 downloads per month**.

**Ask GPT-3** – React.js - GPT-3 - React Spring - Express.js

[Live Demo](#) || [GitHub](#)

- A sleek, responsive, and **fully animated** web app for interacting with the powerful AI engine **GPT-3**.
- Used **React.js with React Spring** to display minimalistic and attractive components and animations, local storage for data persistence, and a minimal **Express.js** backend to maintain API key secrecy.

**SaveQuest** – React.js - Express.js - MongoDB - Chart JS

[Live Demo](#) || [GitHub](#)

- Led a team of 3 in creating a **MERN stack gamified budgeting** application that encourages a user to log expenses by rewarding tracked expenses with EXP, level-ups, and upgraded sprites.
- Used **React.js** to dynamically render the UI based on user budgeting data served from a cloud database hosted on **MongoDB Atlas** via **Express.js** and used **JWT** to authenticate users.

**Spot** – Python - Django - DTL - Bootstrap - PostgreSQL

[Live Demo](#) || [GitHub](#)

- Collaborated in a team of two to create a pet-centric social media app where a user can post as a specific pet of theirs and share with the rest of the community what they're up to.
- Used **DTL** with **Python Django** to template render user data and images from a **PostgreSQL** database hosted on **Amazon S3**.

## Experience

**General Assembly, Toronto, ON** – Teaching Assistant

Feb 2022 - Present

- Provided students with hands-on support and guidance on projects and assignments.
- Broke down and conveyed complex concepts in layman's terms.
- Consistently received very positive qualitative and quantitative feedback on student feedback surveys (**averaging 4.8/5**).

**Munir Sukhtian Group, Amman, JO** – Marketing Trainee

Jan 2019 - Jul 2019

- Recognized by CMO for **fastest improvement** during onboarding period.
- Initiated digital marketing strategy that grew company Facebook following by **50% in 6 months**.

## Education

**General Assembly, Toronto, ON** – Software Engineering

Oct 2021 - Jan 2022 || **GPA: 3.94/4**

**Western University, London, ON** – BA in Economics

Sep 2015 - Jan 2018

**Fanshawe College, London, ON** – Business Accounting Diploma

Sep 2013 - Apr 2015

## Skills

### Technologies

JavaScript

TypeScript

React.js

Node.js

Express.js

Tailwind.css

Three.js

GSAP

Git

Python

Django

MongoDB

JWT authentication

Bootstrap

EJS

Responsive Design

MVC Architecture

Heroku

### Soft Skills

Strong communication

Team focused

Self motivated

Self accountable

Time management

Attention to detail