https://minhatle.vercel.app/

## Projects

**DuckGPT** — A generative AI simulate the response of a rubber duck

 $\textbf{Stack:} \ \operatorname{React}, \ \operatorname{Typescript}$ 

- Designed and developed a generative AI that listens and responds exactly like a rubber duck would.
- Implemented logic for the rubber duck AI from scratch.
- Built a responsive UI using **React** and **Typesript**.
- **Chexx** A online multiplayer Chess variant game

Stack: .NET Core, React, C#, Typescript, SignalR, Redis, PostgreSQL

- o Designed and developed an online multiplayer Gliński's hexagonal chess game with an ELO system.
- Built front-end using **React** and **Typescript**. Built back-end using **.NET Core** Web API using unit of work, repository, and decorator pattern.
- Implemented logic for the hexagonal chess game from scratch using OOP principles.
- Integrated Redis as a second database for caching, real time leaderboard and ELO retrival.
- Integrated **SingalR** for real time communication.
- **Ploop** A dynamic and interactive social art platform

Stack: Node.Js, React, Typescript, PostgreSQL, Redux, Graphql, RabbitMQ, Docker, AWS S3, Cloudflare

- Designed and developed a full stack app that allows users to create drawings and then watch as their creations transform into a time-lapse video.
- Built front-end using **React** and **Typescript**. Features built: a drawing app on a **HTML** canvas with pen, shape, bucket, undo, and redo tools, infinite scroll, lazy loading, multi-step form, modal as route, etc.
- Integrated Redux RTK Query for managing states, API calls.
- Built back-end using **Node.Js** and **Express.Js**.
- Implemented a Microservices Architechture with 8 REST API services, interacting through a message queue with RabbitMQ for a robust communication.
- Implemented an API Gateway service using **Apollo GraphQL** and **REST DataSource** for efficient data aggregation. Implemented real-time communication for chat and comment feature using **GraphQL Subscription**.
- Integrated Jwt Tokens with refresh token rotation strategy for user authentication and authorization.
- Designed and integrated PostgreSQL as database and Cloudflare with AWS S3 as cloud storage.
- Integrated **Docker** for ease of development and scalable deployment.
- **Duckpile** An inventory management app

Stack: Node.Js, React, Javascript, PostgreSQL, Redux

- Designed and developed an internal full stack app that help with inventory management for VCAL TV.
- Built front-end using React and Javascript. Built back-end using Node.Js and Express.Js.
- Saved over \$1000 in labor cost and an efficiency increase of 50% in preparation and processing time during a one month trial run period.

# Personal Portfolio —

Stack: React, Typescript

• Built a responsive website using **React** and **Typesript** for a personal portfolio.

#### EDUCATION

# University of California, Berkeley — Berkeley, CA

Physics - 3.7 GPA

Aug. 2021 – May. 2022

Orange Coast College — Costa Mesa, CA

AS Physics - 3.9 GPA

Aug. 2018 – May. 2021

### Programming Skills

- Languages: Javascript/Typescript, Python, C#, SQL, NoSQL
- Technologies/Frameworks: Node.Js, Express.Js, ASP.NET Core, EF Core, SignalR, React, Redux, Redis, RTK Query, GraphQL, RabbitMQ, Docker, REST API, Git
- Databases: PostgreSQL, Cloudflare, AWS S3, MongoDB

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