Quai Wentt

Full Stack Senior Software Engineer

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RELEVANT EXPERIENCE

Intuit Mailchimp
Senior Software Engineer   Nov 2022 - Jan 2024
- Built an internal tool that generates a frontend test coverage report for any specific team within the Mailchimp monolith according to the files and directories the team owns (Python)
- Led an engineering team during hack week to build an internal tool that used the Open AI API to generate unit tests for any PHP or Javascript file (Python, LangChain, GPT-3.5-Turbo)
- Increased backend unit test coverage for my team from 40% to 94% completing ~80 unit test tickets in two days using the AI tool I built
- Led an engineering team to release a new homepage for the Mailchimp application, increasing engagement while cutting load time in half (React, PHP)
- Led an engineering team to build and deploy a re-vamped navigation for the Mailchimp application serving millions of customers (React). Received an award out of all the engineers in my org for cross-team collaboration in this project.

Recurse Center
Software Engineering Sabbatical Participant   Jun 2022 - Aug 2022

- Participated in a self-directed software engineering sabbatical program during which engineers focus on topics which interest them. I chose to focus on AI and data structures/algorithms
- Built a full stack web application Tic Tac Toe game that featured an AI that can play Tic Tac Toe perfectly (minimax algorithm) and an AI that can play Tic Tac Toe with a 96% accuracy (fined-tuned GPT-3) - (Python/Flask, React, OpenAI GPT-3, Google Cloud Platform)
- Self-studied data structures/algorithms and completed over 200 leetcode problems (Python)

Zillow
Software Development Engineer (P1, P2, P3)   Jun 2017 - Jun 2022
Software Development Engineer Intern   Feb 2017 - Jun 2017

- Independently designed and built three related React applications and an associated Laravel/PHP API to show, search, sort, filter, replicate, delete, and modify different listing types (homes, plans, and communities) while helping to establish team patterns, tools, and procedures when building React applications
- Maintained an input UI, data pipeline, and API (PHP/Laravel) that ingests, transforms, and augments data from home builders, saves to a MySQL database, and syndicates this data as XML feeds
- Led a team of 30 people that won hack week in 2020 by building a Zillow experience that highlighted important figures in Black history and their homes (React, Next.js). https://www.youtube.com/watch?v=U7Eu6i7mVTc
- Led a team of 5 people that won hack week in 2018 by building an internal tool to improve Zillow's deployment process (Redis; Node.js; Slack API)

SELECTED PERSONAL PROJECTS

Coloring Book GPT (2024)
- Generates a coloring book using AI based on any idea the user can dream up. (GPT-4, Midjourney, Ruby/Rails, Javascript/React, Google Cloud Platform)
- See the code here: https://github.com/Qlwentt/coloring-book-gpt
- See the demo: https://www.youtube.com/watch?v=NdIFUv14RiU
- View it live: https://coloring-book-gpt.wl.r.appspot.com/

Big OMG (2023)
- Short project I built in a weekend that is a full stack application which uses the OpenAI API to get the time complexity of code that the user inputs (Python/Flask, Javascript/React, GPT-4)
- See code here: https://github.com/Qlwentt/big-omg-react
- View it live: https://big-omg-react.uw.r.appspot.com/

Tic Tac Toe AI (2022)
- Tic Tac Toe game that features an AI that can play Tic Tac Toe perfectly (minimax algorithm) and an AI that can play Tic Tac Toe with a 96% accuracy (fined-tuned GPT-3) - (Python/Flask, React, OpenAI GPT-3, Google Cloud Platform)
- See code here: https://github.com/Qlwentt/tictactoe-react
- View it live: https://tic-tac-toe-react-356921.ue.r.appspot.com/

Emotable (2019)
- A sentiment analysis AI model trained on tweets from the Twitter API. It classifies tweets as positive or negative based on the tweet content (Numpy, Pandas, Tensorflow, Keras, Twitter)
- See the code here: https://github.com/Qlwentt/emotable

STRONGEST SKILLS/TOOLS/TECHNOLOGIES

Python/Flask	PHP/Laravel	Javascript/React	Jest	HTML/CSS
MySQL	Docker	GPT-4/Claude	AWS/GCP	Git/Github

EDUCATION

Ada Developers Academy
Certificate in Software Engineering   Jul 2016 - July 2017

U.S. Military Academy at West Point
B.S. in Psychology, Concentration in Computer Science   Jun 2008 - May 2012