# Quai Wentt

## Full Stack Senior Software Engineer

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**RELEVANT EXPERIENCE**

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### Intuit Mailchimp
**Senior Software Engineer**                                    Nov 2022 - Present
- 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)
- Lead 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)
- Led test coverage effort on team and quadrupled files with green (at least 85%) test coverage
- 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

### 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 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)
- 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 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

### Wall-E (2018)
- A Slack bot that can describe pictures using the Google Vision API and a NLP library called POS (Node.js, Botkit, Google Vision API, POS, Slack API)
- View the code here: https://github.com/Qlwentt/walle
- See the demo: https://www.youtube.com/watch?v=mH2tMD-RXBI:

## STRONGEST SKILLS/TOOLS/TECHNOLOGIES

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| Python/Flask | PHP/Laravel | Javascript/React | Jest | HTML/CSS |
| MySQL | Docker | 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