

## Software Development Engineer

I'm a software engineer with an analytical mind and a heart for social good. I believe artificial intelligence is a powerful tool that could benefit the world in unimaginable ways, but only if we are intentional about it. I'm seeking a Software Engineer or Machine Learning Engineer position to use AI to solve problems and contribute to social good. I have a particular interest in ensuring machine learning systems are developed ethically and are safeguarded against bias. I'm a ravenous learner who is ready to grow in my knowledge of AI/ML.

## Relevant Experience

### ZILLOW

#### Software Development Engineer I, II

Jun 2017 - Present

- Currently maintain a data management system 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
- Built several full stack web components using Java, Python, PHP, JQuery, React, and GraphQL
- Led a team that won an internal hackathon by building an internal tool to improve Zillow's deployment process (Redis; Node.js; Slack API)
- Promoted to SDE II (P2) less than 10 months after converting internship to full time position

#### Software Development Engineer Intern

Feb 2017 - Jun 2017

- Migrated [zillow.com/advertise](https://zillow.com/advertise) from Django blog to Java web server
- Modified Python (Flask) API and React JS components to enable more efficient on-boarding of users and ensure a consistent experience across platforms.

### VETERANS ADMINISTRATION HEALTHCARE SYSTEM

#### Research Health Science Specialist, Neuroscience/Psychology

Apr 2015 - Jun 2016

- Assisted with clinical research for several joint studies between Stanford University and the VA
- Collected, analyzed, and reported data using several tools (Python, Excel, Access, MS SQL Server)

## Education

### ADA DEVELOPERS ACADEMY

#### Certificate in Software Engineering

Jul 2016 - Jul 2017

### U.S. MILITARY ACADEMY AT WEST POINT

#### B.S. Psychology; Concentration in Computer Science

Jun 2008 - May 2012

## Personal Projects

**Emotable (click me):** a sentiment analysis model created in Python using Recurrent Neural Networks and trained using tweet data from Twitter API. <https://github.com/qlwentt/emotable> (Python, pandas, TwitterAPI, keras, numpy)

**Qually (click me):** a job recommender Django app. Scraped job site to get keywords, then compared keywords in users' resumes to keywords in jobs from Indeed API to recommend jobs. <https://qlwentt.github.io/qually/>

**Wall-E (click me):** a slack bot that describes pictures using Node.js, Slack API, Google Vision API, PoS NLP library; Link: <https://qlwentt.github.io/walle/>

**Storm Data Analysis (click me):** a data analysis of two datasets from the National Climatic Data Center using Python; Link: <https://bit.ly/2GffJYR> (Python, excel)