

# Yang Zhou

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JavaScript | Python | Java | React | Angular | Node.js | Spring Boot | Django | SQL | MongoDB | HTML | CSS | Git

## EDUCATION

**Georgia Institute of Technology** | Master of Science in Computer Science

Expected Graduation Date: Dec. 2025

**Code Platoon** | Full-Stack Web Development

Oct. 2020 - Jan. 2021

**University of Oklahoma** | Norman, Oklahoma | GPA: 3.75

Aug. 2012 - May 2017

- Honor Graduate from accelerated program in Petroleum Engineering

## EXPERIENCE

**JPMorgan Chase**

Mar. 2021 – Present

**Software Engineer**

Chicago, IL

- Selected as a founding developer of the Configurator team (Corporate & Investment Banking), which provides a seamless UI experience for users and reduces amount of time needed for onboarding new clients to use the firm's services
- Presented recommendations for design for the most challenging business requirement of the project to leadership team of 3 for product migration to our service and successfully implemented the design in our application
- Constructed a new data structure to reduce amount of API calls and improved the application efficiency by over 50%
- Collaborated with three other cross function teams to design and improve communication contracts for escalated end-to-end integration needs with minimal down time and zero timeline extensions
- Collaborated with the product owner in writing stories and elaborating business requirements to other developers to maintain adequate development speed of the team
- Built extensive test coverage for both frontend and backend projects, worked extensively with QA to ensure consistent operation of the application to client satisfaction

**U.S. Army**

Apr. 2016 – Present

**Squad Leader**

Chicago, IL

- Led a 200+ soldier unit as the only biomedical equipment officer, executed maintenance and audited on medical equipment, and generate reports to the senior leaders
- Served as squad leader and supervised team of 5 to help junior soldiers achieve and go beyond their military responsibilities and provided guidance whenever needed

**Philips Healthcare**

Oct. 2019 – Jun. 2020

**Field Service Engineer**

New York City, NY

- Assembled, calibrated, and tested a wide range of medical equipment for over 500 clinics to the highest standard with zero monthly quota carryover. Prioritized customer relations by ensuring their malfunctioning equipment were accounted for the same day
- Collaborated with a team of 3 to inspect over 1,000 medical equipment within two weeks as a part of NY government's mission to host increasing number of covid-19 patients during the peak of pandemic

**Integrated Poro-Mechanics Institute**

Feb. 2014 – Dec. 2016

**Research Assistant**

Norman, OK

- Selected as the only undergraduate student to work with Dr. Abousleiman on the role of poromechanical research
- Formulated analytical solutions for shale permeability estimation based on beam bending test utilizing Mathematica

**University of Oklahoma**

Jan. 2016 – Dec. 2016

**Teaching Assistant**

Norman, OK

- Created quizzes, homework, and exams and hosted office hours for a 200-students and a 60-students engineering class
- Established consistent communications with the instructors and students to ensure the smooth progression of the course and received numerous compliments from the students and acknowledgments from the instructors

## PROJECT

**Deep Learning project - Dog Breed Classifier** | [Demo](#)

- Plotted deep learning model by adapting transfer learning on a dataset of over 20k images with VGG16 neural network

**SnowMountainInfoApp (React, Django, PostgreSQL)** | [Link](#)

- Built and deployed full-stack web application supporting CRUD operations.
- Utilized MapBox and OpenWeather API to generate interactive map displaying snow mountains in the US

**PhotoApp (Node.js, Angular, Express, MongoDB)** | [Demo](#), [Link](#)

- Completed and deployed full-stack application to let users register to upload, edit and comment on photos
- Incorporated responsive design and MVC architecture while achieving CRUD operations