

Yang Zhou

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EDUCATION

University of Texas at Austin | Master of Science in Computer Science

Expected Graduation Date: Dec. 2022

Code Platoon | Full-Stack Web Development

Oct. 2020 - Jan. 2021

Harvard Extension School | Software Engineering | Cum. GPA: 4.00

Jan. 2020 - Aug. 2020

University of Oklahoma | Norman, Oklahoma

May 2017

- Master of Science in Petroleum Engineering | Cum. GPA: 3.59
- Bachelor of Science in Petroleum Engineering | Cum. GPA: 3.75

PROJECTS

SnowMountainInfoApp | [Demo](#), [Github](#)

- Built and deployed full-stack application with Django and React supporting CRUD operations
- Utilized MapBox API and OpenWeather API to generate interactive map display snow mountains in the US with weather information

PhotoApp | [Youtube](#), [Demo](#), [Github](#)

- Built and deployed Node.js application supporting CRUD operations and interacting with MongoDB
- Designed responsive client-side application in Angular 9 following MVC architecture
- Wrote registration feature in Vanilla JS and utilized Passport middleware for authentication

Dog Breed Classifier | [Youtube](#), [Notebook](#) (open with Google Colab)

- Applied transfer learning with VGG16 and ResNet50 neural network to train a deep learning model classifying dog breed based on [Stanford Dogs Dataset](#)
- Implemented Data Augmentation to improve the model accuracy to nearly 80%

SKILLS

Technical Skills:

JavaScript | Node.js | Angular | MongoDB | React | Python | Django | C++ | HTML | CSS | Git

Languages:

Chinese (Fluent)

EXPERIENCE

U.S. Army | San Antonio, Texas; Portsmouth, New Hampshire

Apr. 2016 – Present

Biomedical Equipment Specialist

- Received training from Department of Defense to become a biomedical equipment technician and graduated with the highest honors
- Provide preventative maintenance and repaired hundreds of various medical equipment used to support military healthcare workers in critical missions all over the world

Philips Healthcare | Metro New York, New York

Oct. 2019 – Jun. 2020

Field Service Engineer

- Performed preventive maintenance, repairs, tests and calibrations on a wide variety of equipment for over 500 clinics in New York Metro Area
- Received recognition four times by manager for helping the team build strong customer relations and meet industry compliance

Integrated Poro-Mechanics Institute (iPMI) | Norman, Oklahoma

Feb. 2014 – Dec. 2016

Research Assistant

- Developed advanced analytical solutions for shale permeability estimation based on constant deflection three-point beam bending test utilizing Mathematica
- Utilized core drilling equipment to generate a dozen 2" by 1" shale plugs and measured mechanical properties with the aid of ultrasound apparatus

HONORS & AWARDS

- Army Basic Combat Training Honor Graduate
- Army Advanced Individual Training Honor Graduate
- Undergraduate MPGE Scholarships (3 years)
- International Leadership Scholarships (2 years)
- Sooner Heritage Scholarships (3 years)