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**
Biomedical Equipment Specialist
- 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)