Yixin Zhao（Fiona）

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OBJECTIVE

Open-minded and creative software developer with expertise in programming language, software knowledge, and artificial intelligence. Excellent communication and time-management with experience in teamwork. Seeking full-time job position in computer science that provides an opportunity to utilize AI generation and full-stack coding.

EDUCATION

University of Central Florida Aug. 2022 – Dec. 2024
Bachelor of Science in Computer Science Orlando, FL

Palm Beach State College May. 2021 – Aug. 2022
Associate Degree of Science in Computer Science Lake Worth, FL

SKILLS

- **Programming languages:** Java, Python, C/C++, Swift, HTML, CSS, JavaScript(TypeScript, React.js), SQL, Haskell
- **Tools:** AWS, Blender, Unity, MySQL, Google Colab, Procreate, Visual Studio Code, Xcode
- **Frameworks:** NumPy, PyTorch, Keras, TensorFlow, OpenCV
- **Coursework:** Algorithm, Systems Programming, Data Science, Computer Architecture, Object-Oriented Programming, Software Engineering(Web app development), Deep Learning, CNN, RNN, GAN, Autoencoder, SLAM, Robot Vision

ACADEMIC PROJECTS

SafeLINC App Development (React Native, Android Studio) Jan. 2024 – Dec. 2024

- Implemented the front-end using React Native, creating responsive and interactive UI components.
- Utilized Android Studio to ensure compatibility across a range of Android devices.
- Collaborated with team members to integrate back-end services, ensuring smooth functionality and user experience.

Machine Learning Models (Python/Google Colab) Oct. 2023 – Nov. 2023

- Implemented diverse machine learning models, including CNN, RNN, supervised and unsupervised learning, and reinforcement learning using PyTorch, Keras, and TensorFlow.
- Applied hyperparameter tuning for model optimization and achieved successful outcomes.
- Specialized in deep learning techniques for image processing, object detection, and edge and corner detection, utilizing Google Colab for collaborative development.

EXPERIENCE

Lecturing Robot (VEX V5/C++) Jun. 2024 – Aug. 2024
BattleBot Summer camp Instructor | Stanford - iD Tech Camp

- Taught over 80 students on the mechanics and engineering principles behind BattleBot construction.
- Provided guidance in designing, assembling, and programming robots using C++, ensuring a comprehensive grasp of both hardware and software integration.
- Facilitated team management and collaboration, encouraging effective communication and strategic problem-solving among student teams.

Combat Robot Coding and Design (C/C++) Sep. 2022 – Dec. 2022

Robotics Software Engineer | Robotics Club

- Led the development of algorithms and control systems in C/C++ using the Arduino IDE for precise robot actions, including flipping and pushing.
- Optimized robot performance and strategy of building robot on a limited budget, demonstrating effective teamwork and strategic communication skills within the robotics club.