JANE DOE

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Education

Stanford University (GPA: 3.8/4.0) **June 2023**
Bachelor of Science in Computer Science *Stanford, CA*

Relevant Coursework: Machine Learning, Data Structures, Software Design, Computer Networks

Clubs/Involvement: President of Women in Computer Science, FOCAL Lab RL Research, Research Assistant in AI Lab

Technical Skills

Languages: Python, C, R, Java, C++, JavaScript, SQL, HTML/CSS, JQuery, ReactJS, Visual Basic
Developer Tools: Git, Power Automate, VS Code, Jupyter, Docker, Visual Studio Code, Jenkins, IntelliJ IDEA, Firebase, WordPress, SharePoint
Technologies/Frameworks: PyTorch, TensorFlow, NumPy, Pandas, tensorflow, scikit-learn, Node.js, Flask, React, AWS, Kubernetes, Express.js, PowerShell,
Additional Skills: Test-driven development, Microsoft Office, Continuous integration/continuous deployment (CI/CD), Flutter, Agile, AWS, Agile methodologies, RESTful APIs, Linux, boto3, Terraform, Jenkins

Experience

Johns Hopkins University Applied Physics Laboratory **September 2022 - May 2023**
Research/Machine Learning Intern *Laurel, MD*

- Explored clinical decision-making under uncertainty and medical prediction with ML algorithms, presenting paper and study to the IEEE ISEC conference under mentorship of Dr. Caglar Caglayan.
- Using data from the National Hospital Ambulatory Medical Care Survey (NHAMCS), successfully developed an ML framework using Logistic Regression, Random Forest, and XGBoost algorithms to predict admission and socio-demographic and clinical factors associated with admission/outcomes.

University of Maryland, Baltimore County **June 2022 - January 2023**
Research Assistant *Baltimore, MD*

- Conducted research with Dr. Riadul Islam and his UMBC VLSI-SOC Group collecting data and utilizing techniques such as CNNs, Reinforcement, and Supervised Learning for self-driving cars.
- Currently developing new CNN and physical hardware for autonomous driving on model RC car with 3D printed chassis, camera, servo driver, and Raspberry Pi.

Google **June 2022 - August 2022**
Software Engineering Intern *Mountain View, CA*

- Developed and optimized backend services in Java to improve data processing efficiency by 30%.
- Collaborated with cross-functional teams to design and implement new features for internal tools.
- Wrote unit and integration tests to ensure code quality and reliability.

Research

FOCAL Lab@UIUC **February 2024 - Present**

- Conducting research on offline reinforcement learning from human feedback (RLHF) at the University of Illinois at Urbana-Champaign under Dr. Gagandeep Singh and graduate mentor Yinquan Xu.
- Developing novel methodologies for training reward models from state-action pair human preference data.

Projects

Image Classification with Deep Learning | *Python, TensorFlow, Keras* **October 2022**

- Created a deep learning model to classify images into different categories with 95% accuracy.
- Trained the model on a large dataset of labeled images and evaluated its performance using various metrics.

Personal Finance Tracker | *React, Node.js, MongoDB, Express* **January 2023**

- Developed a web application to help users track their personal finances, including income, expenses, and budgeting.
- Implemented user authentication and data encryption for secure access.