Aria Chen

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Education

Oregon State University Corvallis, OR
Bachelor of Science in Computer Science Aug 2023 – May 2027
Relevant Coursework: Machine Learning, Advanced Algorithms, Cloud Computing, Cybersecurity, Data Structures, Software Engineering

GPA: 3.92/4.0

Technical Skills

Languages and Tools: Python, Java, JavaScript, React, Node.js, Docker, Kubernetes **Frameworks and Platforms:** TensorFlow, AWS, Git, MongoDB, Linux

Projects

Distributed Machine Learning Platform | *Python, TensorFlow, Kubernetes*

- Developed a scalable machine learning platform for distributed model training
- Implemented parallel processing techniques reducing training time by 40%
- Created automated hyperparameter tuning using Bayesian optimization

Cybersecurity Threat Detection System | *Java, Machine Learning*

- Built an AI-powered network intrusion detection system
- Achieved 95% accuracy in real-time threat identification
- Integrated machine learning models for adaptive threat recognition

Urban Mobility Optimization App | *React, Node.js, MongoDB*

- Created a mobile app for optimizing urban transportation routes
- Implemented real-time traffic prediction algorithms
- Developed microservices architecture for scalable performance

Research Experience

Research Assistant - AI and Robotics Lab Jun 2022 – Aug 2023
Oregon State University *Corvallis, OR*

- Conducted research on human-robot interaction and adaptive learning algorithms
- Developed reinforcement learning models for autonomous robotic systems
- Published research paper in International Conference on Robotics

Work Experience

Software Engineering Intern May 2022 – Aug 2022
Intel Corporation *Hillsboro, OR*

- Developed scalable cloud infrastructure for edge computing platforms
- Optimized microservices deployment using Kubernetes and Docker
- Collaborated with senior engineers on performance benchmarking

Data Science Intern Jun 2021 – Aug 2021
Nike *Beaverton, OR*

- Created predictive analytics models for product demand forecasting
- Implemented machine learning algorithms to optimize inventory management
- Developed interactive data visualization dashboards