# Young Min Park

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## EDUCATION

**San Diego State University** Aug ‘22 - May ‘26

*Bachelor of Science, Computer Science with Minor in Mathematics*

**Coursework:** Operating Systems, Neural Networks, Algorithms, Data Structures, Machine Learning, Unix Systems, Abstract Algebra, Applied Probability, Discrete Mathematics

## EXPERIENCE

**Sales Associate | Nordstrom** May ‘23 - Aug ‘24

*Retail, Operational Efficiency*

- Recognized as top 10% earner, emphasizing client satisfaction and collaboration with coworkers
- Mastered negotiation and efficiency when working with customers to increase my rate of sales per hour

**AI Research Intern | Sekeh Lab** Jul ‘25

*Deep Learning, Multimodal*

- Implemented deep learning architectures including VGG/ResNet CNNs and multimodal transformers for audio-visual processing using PyTorch, exploring applications in embodied AI and spatial navigation.
- Studied spatial-temporal modeling for urban dynamics prediction, analyzing imitation learning techniques on taxi GPS trajectory data to forecast traffic patterns and city-scale resource allocation.
- Explored multimodal AI frameworks including encoder-decoder architecture for integrating multiple urban signals and spatial audio denoising applications.

## INVOLVEMENT

**Robotics Club** | Treasurer Aug ‘18 - May ‘22

- Served as liaison between club members and hardware companies for delivery on parts to maintain a competitive edge in competitions.

**AI Club |** Member Jul ’25 - Present

- Developing practical AI solutions through hands-on projects in computer vision and multimodal learning, while collaborating with peers to implement deep learning architectures for real-world applications

## SKILLS

**Languages:** Python, JavaScript, C++, C#, TextX, JSON

**Technologies:** TensorFlow, PyTorch, NumPy, Node.js, Kubernetes, Git, Unix, Jupyter, Pandas

## PROJECTS

**Boolgebra DSL** – *Python, TextX*

- Developed TextX parser and Python compiler to handle a custom file format, with interactive command-line input and detailed error handling
- Implemented computation libraries (SymPy) to construct and evaluate complex logical expressions

**Cat vs Dog Image Classifier** – *Python, TensorFlow, Keras*

- Built a CNN image classifier using TensorFlow/Keras achieving 90%+ accuracy on cat vs dog classification, implementing 4-layer architecture with dropout regularization and optimized data pipeline using tf.data.Dataset.
- Developed end-to-end machine learning pipeline with data preprocessing, model evaluation, and comprehensive documentation, demonstrating proficiency in deep learning and Python.

**Multi-Platform Network and System Infrastructure** – *Python, Bash*

- Built a multi-platform network using OpenBSD, FreeBSD, Ubuntu, and Solaris
- Deployed key services including DNS, OpenLDAP, mail, NFS, and Docker-based web hosting (Nginx, Portainer)
- Configured secure SSH connections and implemented strong network security across virtual machines