

# John Doe

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## Welcome to RenderCV

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RenderCV reads a CV written in a YAML file, and generates a PDF with professional typography.

See the [documentation](#) for more details.

## Education

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- Princeton University**, PhD in Computer Science – Princeton, NJ Sept 2018 – May 2023
- Thesis: Efficient Neural Architecture Search for Resource-Constrained Deployment
  - Advisor: Prof. Sanjeev Arora
  - NSF Graduate Research Fellowship, Siebel Scholar (Class of 2022)
- Boğaziçi University**, BS in Computer Engineering – İstanbul, Türkiye Sept 2014 – June 2018
- GPA: 3.97/4.00, Valedictorian
  - Fulbright Scholarship recipient for graduate studies

## Experience

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- Co-Founder & CTO**, Nexus AI – San Francisco, CA June 2023 – present
- Built foundation model infrastructure serving 2M+ monthly API requests with 99.97% uptime
  - Raised \$18M Series A led by Sequoia Capital, with participation from a16z and Founders Fund
  - Scaled engineering team from 3 to 28 across ML research, platform, and applied AI divisions
  - Developed proprietary inference optimization reducing latency by 73% compared to baseline
- Research Intern**, NVIDIA Research – Santa Clara, CA May 2022 – Aug 2022
- Designed sparse attention mechanism reducing transformer memory footprint by 4.2x
  - Co-authored paper accepted at NeurIPS 2022 (spotlight presentation, top 5% of submissions)
- Research Intern**, Google DeepMind – London, UK May 2021 – Aug 2021
- Developed reinforcement learning algorithms for multi-agent coordination
  - Published research at top-tier venues with significant academic impact
    - ICML 2022 main conference paper, cited 340+ times within two years
    - NeurIPS 2022 workshop paper on emergent communication protocols
    - Invited journal extension in JMLR (2023)
- Research Intern**, Apple ML Research – Cupertino, CA May 2020 – Aug 2020
- Created on-device neural network compression pipeline deployed across 50M+ devices
  - Filed 2 patents on efficient model quantization techniques for edge inference

<b>Research Intern</b> , Microsoft Research – Redmond, WA	May 2019 – Aug 2019
<ul style="list-style-type: none"><li>• Implemented novel self-supervised learning framework for low-resource language modeling</li><li>• Research integrated into Azure Cognitive Services, reducing training data requirements by 60%</li></ul>	

## Projects

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<b>FlashInfer</b>	Jan 2023 – present
Open-source library for high-performance LLM inference kernels	
<ul style="list-style-type: none"><li>• Achieved 2.8x speedup over baseline attention implementations on A100 GPUs</li><li>• Adopted by 3 major AI labs, 8,500+ GitHub stars, 200+ contributors</li></ul>	
<b>NeuralPrune</b>	Jan 2021
Automated neural network pruning toolkit with differentiable masks	
<ul style="list-style-type: none"><li>• Reduced model size by 90% with less than 1% accuracy degradation on ImageNet</li><li>• Featured in PyTorch ecosystem tools, 4,200+ GitHub stars</li></ul>	

## Publications

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<b>Sparse Mixture-of-Experts at Scale: Efficient Routing for Trillion-Parameter Models</b>	July 2023
John Doe, Sarah Williams, David Park <a href="#">10.1234/neurips.2023.1234</a> (NeurIPS 2023)	
<b>Neural Architecture Search via Differentiable Pruning</b>	Dec 2022
James Liu, John Doe <a href="#">10.1234/neurips.2022.5678</a> (NeurIPS 2022, Spotlight)	
<b>Multi-Agent Reinforcement Learning with Emergent Communication</b>	July 2022
Maria Garcia, John Doe, Tom Anderson <a href="#">10.1234/icml.2022.9012</a> (ICML 2022)	
<b>On-Device Model Compression via Learned Quantization</b>	May 2021
John Doe, Kevin Wu <a href="#">10.1234/iclr.2021.3456</a> (ICLR 2021, Best Paper Award)	

## Selected Honors

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- MIT Technology Review 35 Under 35 Innovators (2024)
- Forbes 30 Under 30 in Enterprise Technology (2024)
- ACM Doctoral Dissertation Award Honorable Mention (2023)
- Google PhD Fellowship in Machine Learning (2020 – 2023)
- Fulbright Scholarship for Graduate Studies (2018)

## Skills

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**Languages:** Python, C++, CUDA, Rust, Julia

**ML Frameworks:** PyTorch, JAX, TensorFlow, Triton, ONNX

**Infrastructure:** Kubernetes, Ray, distributed training, AWS, GCP

**Research Areas:** Neural architecture search, model compression, efficient inference, multi-agent RL

## Patents

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1. Adaptive Quantization for Neural Network Inference on Edge Devices (US Patent 11,234,567)
2. Dynamic Sparsity Patterns for Efficient Transformer Attention (US Patent 11,345,678)
3. Hardware-Aware Neural Architecture Search Method (US Patent 11,456,789)

## Invited Talks

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4. Scaling Laws for Efficient Inference — Stanford HAI Symposium (2024)
3. Building AI Infrastructure for the Next Decade — TechCrunch Disrupt (2024)
2. From Research to Production: Lessons in ML Systems — NeurIPS Workshop (2023)
1. Efficient Deep Learning: A Practitioner's Perspective — Google Tech Talk (2022)

## Any Section Title

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You can use any section title you want.

You can choose any entry type for the section: `TextEntry`, `ExperienceEntry`, `EducationEntry`, `PublicationEntry`, `BulletEntry`, `NumberedEntry`, or `ReversedNumberedEntry`.

Markdown syntax is supported everywhere.

The `design` field in YAML gives you control over almost any aspect of your CV design.

See the [documentation](#) for more details.