

# John Doe

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## Welcome to RenderCV

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

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

## Education

|            |  |                       |
|------------|--|-----------------------|
| <b>PhD</b> | <b>Princeton University</b> , Computer Science   | Princeton, NJ         |
|            | <ul style="list-style-type: none"> <li>Thesis: Efficient Neural Architecture Search for Resource-Constrained Deployment</li> <li>Advisor: Prof. Sanjeev Arora</li> <li>NSF Graduate Research Fellowship, Siebel Scholar (Class of 2022)</li> </ul> | Sept 2018 – May 2023  |
| <b>BS</b>  | <b>Boğaziçi University</b> , Computer Engineering  | Istanbul, Türkiye     |
|            | <ul style="list-style-type: none"> <li>GPA: 3.97/4.00, Valedictorian</li> <li>Fulbright Scholarship recipient for graduate studies</li> </ul>  | Sept 2014 – June 2018 |

## Experience

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|---|---|
| <b>Nexus AI</b> , Co-Founder & CTO  | San Francisco, CA                       |
| <ul style="list-style-type: none"> <li>Built foundation model infrastructure serving 2M+ monthly API requests with 99.97% uptime</li> <li>Raised \$18M Series A led by Sequoia Capital, with participation from a16z and Founders Fund</li> <li>Scaled engineering team from 3 to 28 across ML research, platform, and applied AI divisions</li> <li>Developed proprietary inference optimization reducing latency by 73% compared to baseline</li> </ul>             | June 2023 – present<br>2 years 9 months |
| <b>NVIDIA Research</b> , Research Intern  | Santa Clara, CA                         |
| <ul style="list-style-type: none"> <li>Designed sparse attention mechanism reducing transformer memory footprint by 4.2x</li> <li>Co-authored paper accepted at NeurIPS 2022 (spotlight presentation, top 5% of submissions)</li> </ul>   | May 2022 – Aug 2022<br>4 months         |
| <b>Google DeepMind</b> , Research Intern  | London, UK                              |
| <ul style="list-style-type: none"> <li>Developed reinforcement learning algorithms for multi-agent coordination</li> <li>Published research at top-tier venues with significant academic impact           <ul style="list-style-type: none"> <li>ICML 2022 main conference paper, cited 340+ times within two years</li> <li>NeurIPS 2022 workshop paper on emergent communication protocols</li> <li>Invited journal extension in JMLR (2023)</li> </ul> </li> </ul> | May 2021 – Aug 2021<br>4 months         |
| <b>Apple ML Research</b> , Research Intern  | Cupertino, CA                           |
| <ul style="list-style-type: none"> <li>Created on-device neural network compression pipeline deployed across 50M+ devices</li> <li>Filed 2 patents on efficient model quantization techniques for edge inference</li> </ul>   | May 2020 – Aug 2020<br>4 months         |
| <b>Microsoft Research</b> , Research Intern   | Redmond, WA                             |
| <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>  | May 2019 – Aug 2019<br>4 months         |

## Projects

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### FlashInfer

Jan 2023 – present

Open-source library for high-performance LLM inference kernels

- Achieved 2.8x speedup over baseline attention implementations on A100 GPUs
- Adopted by 3 major AI labs, 8,500+ GitHub stars, 200+ contributors

### NeuralPrune

Jan 2021

Automated neural network pruning toolkit with differentiable masks

- Reduced model size by 90% with less than 1% accuracy degradation on ImageNet
- Featured in PyTorch ecosystem tools, 4,200+ GitHub stars

## Publications

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### Sparse Mixture-of-Experts at Scale: Efficient Routing for Trillion-Parameter Models

July 2023

John Doe, Sarah Williams, David Park

[10.1234/neurips.2023.1234](https://doi.org/10.1234/neurips.2023.1234) (NeurIPS 2023)

### Neural Architecture Search via Differentiable Pruning

Dec 2022

James Liu, John Doe

[10.1234/neurips.2022.5678](https://doi.org/10.1234/neurips.2022.5678) (NeurIPS 2022, Spotlight)

### Multi-Agent Reinforcement Learning with Emergent Communication

July 2022

Maria Garcia, John Doe, Tom Anderson

[10.1234/icml.2022.9012](https://doi.org/10.1234/icml.2022.9012) (ICML 2022)

### On-Device Model Compression via Learned Quantization

May 2021

John Doe, Kevin Wu

[10.1234/iclr.2021.3456](https://doi.org/10.1234/iclr.2021.3456) (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)

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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.