John Smith

U.S. Citizen

Computer Science PhD Student
Stanford University

CONTACT

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TECHNICAL SKILLS

- **Programming Languages:** Python, C/C++, Java, Rust
- **Frameworks & Libraries:** PyTorch, TensorFlow, JAX, Hugging Face, scikit-learn
- **Development & DevOps Tools:** Docker, Kubernetes, CI/CD, Git/GitHub
- **Cloud & Infrastructure:** AWS, GCP, SLURM cluster management
- **Languages:** English (Native), Spanish (Conversational)

EDUCATION

Stanford University | 2022-2027
Ph.D. in Computer Science
- GPA: 4.0/4.0
- Advisor: Dr. Alice Johnson
- Knight-Hennessy Scholar

University of California, Berkeley | 2018-2022
Honors Bachelor of Science in Computer Science
Minor in Mathematics
Minor in Statistics
- GPA: 3.9/4.0 Summa Cum Laude
- Regents' and Chancellor's Scholar
- Dean's Honor List (all semesters)

WORK EXPERIENCE

Research Intern | Applied AI Research Group — May 2021 - August 2021
Microsoft Research — Redmond, WA
- Investigated few-shot learning techniques for code generation
- Contributed to an internal tool for automated code review using transformer models
- Collaborated with a team of 5 researchers on a publication submitted to NeurIPS

Graduate Research Assistant | Reliable AI Lab — August 2022 - Present
Stanford University — Stanford, CA
- Advised by Dr. Alice Johnson
- Developed novel methods for uncertainty quantification in large language models
- Designed scalable training pipelines for distributed model fine-tuning
- Published and presented research at top ML and NLP conferences

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SELECTED PUBLICATIONS

J. Smith, R. Patel, and A. Johnson, "Calibrated Uncertainty Estimation for Large Language Models via Conformal Prediction." *2024 International Conference on Machine Learning (ICML)*

J. Smith, L. Wang, and D. Garcia, "Scaling Laws for Few-Shot Code Generation with Retrieval-Augmented Transformers." *2023 Conference on Neural Information Processing Systems (NeurIPS)*

HONORS AND AWARDS

Knight-Hennessy Scholarship at Stanford University — August 2022
Full-ride scholarship for graduate students demonstrating leadership and civic commitment

Best Paper Award at ICML Workshop on Reliable ML — July 2024
Recognized for novel contributions to uncertainty quantification in language models