

John Smith

U.S. Citizen

Computer Science PhD Student

Stanford University

CONTACT

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Research Website: <https://www.johnsmith.com/>

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

Microsoft Research

May 2021 - August 2021

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

Stanford University

August 2022 - Present

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

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

Full-ride scholarship for graduate students demonstrating leadership and civic commitment

August 2022

Best Paper Award at ICML Workshop on Reliable ML

Recognized for novel contributions to uncertainty quantification in language models

July 2024