

John Smith

U.S. Citizen

Computer Science PhD Student
Stanford University

CONTACT

Email: jsmith@stanford.edu
Phone: (555) 123-4567
LinkedIn: <https://www.linkedin.com/in/john-smith-cs/>

Github: <https://github.com/johnsmith>
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

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

Teaching Assistant | CS 229: Machine Learning

Stanford University

January 2024 - Present
Stanford, CA

- Aided professor in instruction of this foundational graduate course
- Held weekly office hours and review sessions for 200+ students
- Developed new homework assignments on deep learning and optimization
- Mentored undergraduate students on course research projects

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

SELECTED PUBLICATIONS	J. Smith, R. Patel, and A. Johnson, “Calibrated Uncertainty Estimation for Large Language Models via Conformal Prediction.” <i>2024 International Conference on Machine Learning (ICML)</i>		
	M. Chen, J. Smith, and A. Johnson, “Efficient Fine-Tuning of Vision-Language Models with Structured Pruning.” Submitted to IEEE Transactions on Pattern Analysis and Machine Intelligence. <i>(under revision)</i>		
	J. Smith, L. Wang, and D. Garcia, “Scaling Laws for Few-Shot Code Generation with Retrieval-Augmented Transformers.” <i>2023 Conference on Neural Information Processing Systems (NeurIPS)</i>		
RESEARCH INTERESTS	<div><div><ul style="list-style-type: none">Machine LearningNatural Language ProcessingUncertainty Quantification</div><div><ul style="list-style-type: none">Trustworthy AIFew-Shot and Transfer LearningAI for Code</div></div>		
OPEN-SOURCE CONTRIBUTIONS	<ul style="list-style-type: none">ConformalLLM: Developed and open-sourced a Python library for applying conformal prediction to large language model outputs; 500+ GitHub stars and adopted by two research groups.PyTorch Documentation: Contributed tutorial improvements and bug fixes to the official PyTorch documentation and examples repository.		
SERVICE	Co-Founder and President of CS Graduate Student Council Stanford University		August 2023 - Present Stanford, CA
	<ul style="list-style-type: none">Founded a graduate student organization to advocate for CS PhD student needsOrganized professional development workshops and networking eventsCoordinated with department leadership on curriculum and qualifying exam feedbackGrew membership from 15 founding members to 120+ active participants		
	Undergraduate Research Mentor Stanford University		August 2023 - May 2024 Stanford, CA
	<ul style="list-style-type: none">Mentored three undergraduate students on independent ML research projectsGuided students in Python, PyTorch, experiment design, and scientific writing		
HONORS AND AWARDS	Best Paper Award at ICML Workshop on Reliable ML Recognized for novel contributions to uncertainty quantification in language models		July 2024
	Knight-Hennessy Scholarship at Stanford University Full-ride scholarship for graduate students demonstrating leadership and civic commitment		August 2022
	Summa Cum Laude Honors at UC Berkeley Berkeley, CA		May 2022
	CRA Outstanding Undergraduate Researcher Honorable Mention National recognition for undergraduate research contributions in computer science		December 2021