

John Smith

U.S. Citizen

Computer Science PhD Student  
Stanford University

CONTACT	<div>Email: <a href="mailto:jsmith@stanford.edu">jsmith@stanford.edu</a></div> <div>Phone: (555) 123-4567</div> <div>LinkedIn: <a href="https://www.linkedin.com/in/john-smith-cs/">https://www.linkedin.com/in/john-smith-cs/</a></div> <div>Github: <a href="https://github.com/johnsmith">https://github.com/johnsmith</a></div> <div>Research Website: <a href="https://www.johnsmith.com/">https://www.johnsmith.com/</a></div>	
TECHNICAL SKILLS	<ul style="list-style-type: none"><li>• <b>Programming Languages:</b> Python, C/C++, Java, Rust</li><li>• <b>Frameworks &amp; Libraries:</b> PyTorch, TensorFlow, JAX, Hugging Face, scikit-learn</li><li>• <b>Development &amp; DevOps Tools:</b> Docker, Kubernetes, CI/CD, Git/GitHub</li><li>• <b>Cloud &amp; Infrastructure:</b> AWS, GCP, SLURM cluster management</li><li>• <b>Languages:</b> English (Native), Spanish (Conversational)</li></ul>	
EDUCATION	<div><b>Stanford University</b>   2022-2027</div> <div>Ph.D. in Computer Science</div> <ul style="list-style-type: none"><li>• GPA: 4.0/4.0</li><li>• Advisor: Dr. Alice Johnson</li><li>• Knight-Hennessy Scholar</li></ul> <div><b>University of California, Berkeley</b>   2018-2022</div> <div>Honors Bachelor of Science in Computer Science</div> <div>Minor in Mathematics</div> <div>Minor in Statistics</div> <ul style="list-style-type: none"><li>• GPA: 3.9/4.0 Summa Cum Laude</li><li>• Regents' and Chancellor's Scholar</li><li>• Dean's Honor List (all semesters)</li></ul>	
WORK EXPERIENCE	<div><b>Graduate Research Assistant</b>   Reliable AI Lab</div> <div>Stanford University</div> <ul style="list-style-type: none"><li>• Advised by Dr. Alice Johnson</li><li>• Developed novel methods for uncertainty quantification in large language models</li><li>• Designed scalable training pipelines for distributed model fine-tuning</li><li>• Published and presented research at top ML and NLP conferences</li></ul> <div><b>Teaching Assistant</b>   CS 229: Machine Learning</div> <div>Stanford University</div> <ul style="list-style-type: none"><li>• Aided professor in instruction of this foundational graduate course</li><li>• Held weekly office hours and review sessions for 200+ students</li><li>• Developed new homework assignments on deep learning and optimization</li><li>• Mentored undergraduate students on course research projects</li></ul> <div><b>Research Intern</b>   Applied AI Research Group</div> <div>Microsoft Research</div> <ul style="list-style-type: none"><li>• Investigated few-shot learning techniques for code generation</li><li>• Contributed to an internal tool for automated code review using transformer models</li><li>• Collaborated with a team of 5 researchers on a publication submitted to NeurIPS</li></ul>	<div>August 2022 - Present</div> <div>Stanford, CA</div> <div>January 2024 - Present</div> <div>Stanford, CA</div> <div>May 2021 - August 2021</div> <div>Redmond, WA</div>

<b>SELECTED PUBLICATIONS</b>	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>	
<b>RESEARCH INTERESTS</b>	<ul style="list-style-type: none"> <li>Machine Learning</li> <li>Natural Language Processing</li> <li>Uncertainty Quantification</li> </ul>	<ul style="list-style-type: none"> <li>Trustworthy AI</li> <li>Few-Shot and Transfer Learning</li> <li>AI for Code</li> </ul>
<b>OPEN-SOURCE CONTRIBUTIONS</b>	<ul style="list-style-type: none"> <li><b>ConformalLLM:</b> 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.</li> <li><b>PyTorch Documentation:</b> Contributed tutorial improvements and bug fixes to the official PyTorch documentation and examples repository.</li> </ul>	
<b>SERVICE</b>	<b>Co-Founder and President of CS Graduate Student Council</b> Stanford University <ul style="list-style-type: none"> <li>Founded a graduate student organization to advocate for CS PhD student needs</li> <li>Organized professional development workshops and networking events</li> <li>Coordinated with department leadership on curriculum and qualifying exam feedback</li> <li>Grew membership from 15 founding members to 120+ active participants</li> </ul>	August 2023 - Present Stanford, CA
	<b>Undergraduate Research Mentor</b> Stanford University <ul style="list-style-type: none"> <li>Mentored three undergraduate students on independent ML research projects</li> <li>Guided students in Python, PyTorch, experiment design, and scientific writing</li> </ul>	August 2023 - May 2024 Stanford, CA
<b>HONORS AND AWARDS</b>	<b>Best Paper Award at ICML Workshop on Reliable ML</b> Recognized for novel contributions to uncertainty quantification in language models	July 2024
	<b>Knight-Hennessy Scholarship at Stanford University</b> Full-ride scholarship for graduate students demonstrating leadership and civic commitment	August 2022
	<b>Summa Cum Laude Honors at UC Berkeley</b> Berkeley, CA	May 2022
	<b>CRA Outstanding Undergraduate Researcher Honorable Mention</b> National recognition for undergraduate research contributions in computer science	December 2021