Alex Debugson

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Current Employment

MITea *Cambrew, MA*

Assistant Professor @ the Department of Meme Engineering and Applied Procrastination

Lab Director and Principal Investigator,
SNACK Lab (Systems and Networks for Advanced Coffee Knowledge)

Education

Standfork University *Palo Latte, CA*

Ph.D. in Computer Science, June 2025
Thesis: Deep Learning Approaches to Optimal Coffee-to-Code Conversion Ratios
Advisor: Prof. Andrew Ng-ineer

M.S. in Computer Science, May 2022
Thesis: Distributed Consensus Algorithms for Office Coffee Pot Scheduling
Advisor: Prof. Andrew Ng-ineer

Qingcha University *Beijing, P.R. China*

B.Eng. (Honors) in Software Engineering @ Yingcai Honors College, June 2019

Research Interests

Machine Learning Systems, Cat Meme Classification, Distributed Coffee Brewing Optimization, Quantum Procrastination Scheduling

Experience

2019–2025 **Research Assistant (Advised by Prof. Andrew Ngineer)** *Standfork University, Palo Latte, CA, USA*

Developed novel deep learning architectures for real-time cat meme classification with 99.9% accuracy on the ImageMeow dataset. Pioneered the use of attention mechanisms for identifying optimal napping schedules based on code compilation times.

2024 **Research Intern (Mentored by Dr. Cache Miss)** *Googol Inc., Mountain Brew, CA, USA*

Designed and implemented distributed systems for global coffee bean routing using blockchain technology. Reduced average coffee delivery latency by 40% through application of advanced queueing theory.

2023–2024 **Research Consultant (Worked with Dr. Stack Overflow)** *DeepMeme.ai Inc., San Framemeisco, CA, USA*

Led development of GPT-based meme generation pipeline with real-time dankness evaluation. Implemented federated learning framework for privacy-preserving rubber duck debugging across enterprise environments.

Awards and Honors

5/Applicants	Golden Rubber Duck Fellowship, MITea Department of Meme Engineering
1/Applicants	Best Procrastinator Researcher Award, International Procrastination Society
42/Worldwide	Rising Star in Meme Learning and Coffee Systems, MLMemes 2025
94/U.S.	NSF MemeSys Early-Career Investigators Travel Grant
7/100+	Outstanding Debugging Performance Award, Stack Overflowers Anonymous
Top 1%	Excellent Graduate of Beijing Province (cleared 10,000+ LeetCode problems)

Research and Publications

Preprints

[1] **Alex Debugson**, Cache Miss, RAM Shortage, and GPU Heatstroke. Attention is All You Knead: A Transformer Approach to Automated Sourdough Monitoring. *In Submission*, 2025.

[2] Stack Overflow, **Alex Debugson**, Null Pointer, and Seg Fault. BREAD: Bidirectional Encoder Representations from Artisanal Doughs. *In Submission*, 2025.

Journal

[3] **Alex Debugson**, GPU Heatstroke, Cache Miss, and Virtual Memory. DeepBrewNet: Neural Architecture Search for Optimal Coffee Brewing Parameters. *Journal of Machine Learning for Beverage Science (JMLBS)*, 42(3):128–145, 2024.

[4] Null Pointer, **Alex Debugson**, Stack Overflow, and Heap Corruption. MemeMorph: A Survey of Deep Learning Techniques for Cross-Platform Meme Translation. *ACM Computing Surveys on Internet Culture*, 56(2):1–38, 2023.

Conference

[5] **Alex Debugson**, Cache Miss, RAM Shortage, and Seg Fault. MemeNet: Deep Convolutional Neural Networks for Dankness Classification. In *Proceedings of the Conference on Cat Videos and Meme Recognition (CVMR)*, pages 404–418, 2024.

[6] Stack Overflow, **Alex Debugson**, Null Pointer, and CPU Throttle. GIF-PT: Generative Pre-trained Transformer for Animated Memes. In *Proceedings of Neural Information Processing for MEMEs (NeuralMEMEs)*, pages 1–14, Mem Francisco, CA, 2024.

[7] **Alex Debugson**, RAM Shortage, Buffer Overflow, and Exception Handler. RestNet: Deep Residual Learning for Optimal Napping Schedule Prediction. In *Proceedings of the International Conference on Machine Learning for Procrastination (ICMLP)*, pages 256–270, Snoozeville, USA, 2023.

[8] Cache Miss, **Alex Debugson**, and GPU Heatstroke. YOLO: You Only Live Once, So Why Not Debug? In *Proceedings of USE-LINUX Security Symposium*, pages 1337–1350, 2023.

[9] **Alex Debugson**, Null Pointer, Exception Handler, and Kernel Panic. CaffQL: A Query Language for Distributed Coffee Bean Analytics at Scale. In *Proceedings of the ACM SIGMOD International Conference on Management of Beverages (SIGBEV)*, pages 314–327, Seattle, WA, 2022.

Workshop

[10] **Alex Debugson**, Null Pointer, and Seg Fault. AlphaNope: Mastering the Game of Procrastination through Deep Reinforcement Napping. In *Workshop on Advances in Doing Nothing (WADN)*, June 2024.

Poster

[11] **Alex Debugson**, Cache Miss, CPU Throttle. Blockchain for Pizza Delivery: A Decentralized Approach to Optimal Topping Distribution. In *Proceedings of SIGMEME Poster Session*. **Best Pizza Topping Algorithm Award**, Pepperoni City, NY, 2022.

Grants and Funding

2024–2027 NSF CAREER Award: Automated Procrastination Detection and Mitigation in Large-Scale Software Development, $550,000. Role: PI

2023–2025 Googol Research Award: Real-time Cat Meme Quality Assessment Using Federated Learning, $100,000. Role: PI

2024–2026 DeepMeme.ai Industry Partnership: Privacy-Preserving Rubber Duck Debugging Infrastructure, $75,000. Role: Co-PI with Dr. Stack Overflow

Academic Service

2023–2025 Head, NSF Coffee Systems Research Advisory Council

2024 Program Committee Member, International Meme Conference (IMC) 2024

2024 Pre-review Taskforce, USE-LINUX NSDI 2025

2020–2025 Reviewer for multiple conferences and journals, including:

NeuralMEMEs, USE-LINUX Annual Technical Conference (ATC), IEEE Transactions on Cat Meme Classification (TCMC), ACM SIGMEME, Conference on Very Large Meme Databases (VLMDB), International Conference on Coffee Computing (ICCC)

Teaching and Mentoring Experience

Teaching

2022 **Student Instructor**, Data Clinics in Collaboration with Starmemes Coffee *Cambrew, MA*

Mentored collaborative project with master's students to optimize espresso extraction parameters using Bayesian optimization. Created interactive Jupyter notebooks demonstrating gradient descent for coffee grinder calibration.

2020 **Teaching Assistant**, CS15400 Introduction to Meme Systems *Cambrew, MA*

Assisted 200+ students in hands-on projects including implementing a distributed cat meme cache with LRU eviction policy. Pioneered remote rubber duck debugging sessions during pandemic.

Mentoring

MITea **Byte Overflow**, Ph.D. student, coauthored [1,2,4,5], working on multiple follow-ups about deep learning for pizza topping prediction.

MITea **Pixel Dropout**, Master student → Googol. Coauthored [3], now optimizing coffee bean supply chains at scale.

MITea **Memory Leak**, Ph.D. student, coauthored [7], researching garbage collection strategies for deprecated memes.

Standfork **Compile Error**, Undergraduate student, exploring quantum algorithms for procrastination scheduling.

Standfork **Syntax Error**, Undergraduate student → DeepMeme.ai. Worked on rubber duck debugging augmented reality prototype.

Invited Talks

2024-2025 Speaker, 'From Cat Memes to Coffee Dreams: A Journey Through Applied Procrastination' *@Standfork University, MITea, CMeow (Carnegie Meowllon), Barkeley, Prints-a-ton, Hardvard, Qingcha University, Oxfork*

2023 Speaker, 'MemeNet: Deep Learning for Dankness Classification' *@CVMR'23*

2022 Invited Speaker, 'Why Your Coffee Code Doesn't Compile: A Debugging Journey' *@Googol Systems Seminar*

Media Coverage

2024 Featured in *Tech Crunch*: "MITea Professor's AI Can Tell if Your Meme Will Go Viral"

2024 Interview in *Wired Magazine*: "The Science Behind Perfect Coffee-Driven Coding"

2023 *NPR All Tech Considered*: "How Machine Learning is Revolutionizing Procrastination"

2023 *The New York Times Technology Section*: "Blockchain for Pizza: The Future of Food Delivery?"