

Gatlen Culp

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Education

BS Massachusetts Institute of Technology **Sept 2021 – May 2026**
Computer Science with a concentration in AI & Decision Making Cambridge, MA

Experience

 **AI Evaluations & Software Engineering Contractor** **Sept 2024 – present**
Model Evaluation and Threat Research (METR) · Vivaria · Homebrew · Eval Templates Remote

- Developed CLI tools, evaluation templates, and installers for Vivaria, a platform used by METR to conduct AI capability and risk evaluations in partnership with OpenAI, Anthropic, and US/UK AI safety institutes
- Enhanced documentation for rapid adoption and created a [Python-based unified installation system](#) replacing legacy shell scripts
- Improved reliability and maintainability while adhering to project standards with comprehensive testing suites and technical documentation

 **DevOps & Full Stack Engineer** **June 2024 – Aug 2024**
MIT Computational Biology Lab · MantisAI Website Cambridge, MA

- Engineered NetworkX-based graph visualization system and DevOps infrastructure for MantisAI, a Django web platform for interactive text and data analysis
- Architected CI/CD pipeline with GitHub Actions, Docker, and AWS deployment with robust security controls
- Led PostgreSQL migration alongside comprehensive code and documentation refactoring
- Identified critical security vulnerabilities requiring remediation

 **Director of Operations** **Feb 2023 – Nov 2024**
MIT AI Alignment (+ Harvard AI Safety Team) · MopMan · Public Resources Cambridge, MA

- Led operations for 300+ people across 36+ programs, managing facility logistics, interior design, digital infrastructure, and program operations
- Created MopMan automation tool, saving 10 hours/week across 3 AI safety groups
- Halved expenses via office relocation while maintaining quality standards
- Oversaw management of Amazon Web Services for MAIA and HAIST, supporting research in fine-tuning large language models

 **Machine Learning Researcher** **June 2022 – Oct 2022**
Stanford Existential Risks Initiative & MIT Algorithmic Alignment Group · CommonClaim Dataset Berkeley, CA

- Developed RL fine-tuning technique for GPT-2 to autonomously identify diverse prompts resulting in harmful model outputs (violence, disinformation, etc.)
- Trained models, built evaluation pipeline, and created survey resulting in the CommonClaim dataset of 20,000 boolean statements
- Published research paper [Explore, Establish, Exploit: Red Teaming Language Models from Scratch](#)

 **Full Stack Web Developer** **May 2022 – June 2022**
MIT's Civic Data Design Lab (CDDL) Cambridge, MA

- Delivered a full-stack web platform and WhatsApp interface in under three weeks
- Implemented contribution form web page with React, SASS, REST API, and Node
- Created WhatsApp informational messaging interface with Twilio
- Developed script to compress image sizes on MongoDB

Projects

OpenGesture

OpenCV app running a custom keyboard or mouse input using the number of fingers captured

UN Heritage Website

Delivered a full-stack web platform and WhatsApp interface in under three weeks with team

Transformative AI

33-minute-long technical article on the trajectory and impacts of AI

High School Achievements

Florida TSA Programming (2nd, 3rd place) and HiMCM Math Modeling (Meritorious)

Pine View Support Group

Optimized 300+ students' studying experience by pooling a network of students and school resources

Skills

Technical Skills: Deep Learning w/ PyTorch, [AWS \(Certified Practitioner\)](#), Project & Operations Strategy, Algorithms, Python

Creative & Development: Adobe Suite, Demos & Documentation, Full-Stack Development and DevOps, Entrepreneurship, Economics & Policy

Certifications and Awards

- [AWS Certified Cloud Practitioner](#), Amazon Web Services (AWS), Dec 2023 - Dec 2026
- Autodesk Certified User - Inventor
- OSHA 10-Hour General Industry, CareerSafe Online, Feb 2020
- [State-Level Competitive Programming Awards](#) (2nd and 3rd place), Technology Student Association, 2018-2019
- 'Meritorious' Award, High School Math Contest in Modeling (HiMCM)
- TryHackMe Badges and Experience