Gatlen Culp

⌖ Cambridge, MA ✉ gculp@mit.edu 🔗 gatlen.me ⌨ GatlenCulp 🎓 Google Scholar

Education

BS **Massachusetts Institute of Technology**   **Sept 2021 – Dec 2025**
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. Investigated integrating SWE-Agent and UK AISI's Inspect framework

🐛 DevOps & Full Stack Engineer   **June 2024 – Aug 2024**
MIT Computational Biology Lab · MantisAI Website   Cambridge, MA
Engineered NetworkX-based graph visualization system, DevOps infrastructure, and testing suite for MantisAI, a Django web platform for interactive text and data analysis. Architected CI/CD pipeline with GitHub Actions, Docker, and AWS deployment. Led PostgreSQL migration, identified critical security vulnerabilities, and lead a project-wide codebase and documentation refactor.

📄 Director of Operations   **Feb 2023 – Nov 2024**
MIT AI Alignment (+ Harvard AI Safety Team) · MopMan · Public Resources · GatPack   Cambridge, MA
Led operations for student organization across 300+ people and 36+ programs. Created MopMan and GatPack automation tooling saving 7 hours/week across 3+ AI safety groups. Halved expenses via office relocation. Managed facility logistics, interior design, digital infrastructure, communications, and program operations.

🏛 Machine Learning Researcher   **June 2022 – Oct 2022**
Stanford Existential Risks Initiative & MIT Algorithmic Alignment Group · CommonClaim   Berkeley, CA
Developed RL fine-tuning technique for GPT-2 to autonomously identify diverse prompts resulting in harmful model outputs (violence, disinformation, etc.). Built evaluation pipelines and created survey resulting in the CommonClaim dataset of 20,000 boolean statements. 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
Finalized UN Heritage Website and WhatsApp interface in under three weeks. Implemented contribution web-form using React, SASS, REST API, and Node. Created WhatsApp informational messaging interface with Twilio. Developed image compression script to improve MongoDB load times.

Misc

Professional Certifications: AWS Certified Cloud Practitioner (Dec 2023 - Dec 2026), Autodesk Certified User - Inventor, OSHA 10-Hour General Industry (Feb 2020)

Academic & Technical Awards: State-Level Competitive Programming Awards (TSA), 'Meritorious' Award (HiMCM), TryHackMe Badges and Experience

Notable Projects: OpenGesture - OpenCV app for custom keyboard/mouse inputs, Transformative AI - Technical article on AI trajectory and impacts, Personal Blog - Containing various notes and thoughts, GOTem - Cutting-edge, opinionated, and ambitious project builder for power users and researchers