Tyler G. Tracy

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GitHub: TylerTheCoder

Skills & Competencies

Languages / Frameworks: JavaScript/Typescript, Node.js, Python, React, Rust
Application / Software AWS, git/Github, Postgres, linux, redis, docker
Other Skills: Rubik's Cube solving, Juggling, Magic Tricks

Education

Bachelor of Science in Computer Science, Minor in Mathematics   December 2020
University of Arkansas, Fayetteville, AR   GPA: 3.94
Master's of Science in Computer Science, Focus in Computational Complexity Theory   August 2020
University of Arkansas, Fayetteville, AR   In Progress

Work Experience

Agent foundations research through AI safety camp   *Jan 2024 - Present*
- Researching the agent structure problem. The agenda is to prove that if an entity is able to robustly move environments to a particular state, then the entity must have some structure that fits our intution for planning and a world model.
- Working with a team of 6 other researchers

Software Engineer II at SupplyPike   *May 2023 - Present, Fayetteville AR*
- Led the design and development of a distributed scraper system. Utilized a queue architecture to OCR and extract data from thousands of files a day
- Spearheaded a new product's technical design and development, integrating data from multiple internal applications. The system greatly improved data visibility across various teams and products.
- Apart of the internal tools team. Interview devs to find common pain points and make shared tools to address them.

Software Engineer at Insurgrid   *Jan 2022 - Oct 2022, Fayetteville AR*
- Worked on a small agile team to build and maintain an insurance SAAS suite that serviced 2,000 weekly customers
- Added monitoring and alerting to our data scraping pipeline for quicker detection of malfunctioning jobs

Software Engineer at Tesseract   *Nov 2020 - Jan 2022, Fayetteville AR*
- Worked with a team of three to create and maintain a production level software application suite for various industrial applications.
- Designed and built a command center room running Linux applications on multiple large touchscreen monitors with an AR/VR interface

Software Engineering Intern at SupplyPike   *June 2018 - May 2019, March 2020 - June 2020, Fayetteville AR*
- Worked as a full-stack developer on both individual and team projects
- Developed a browser extension and electron application to auto-login users into the company websites and auto-track shipments, cutting time spent looking up orders by 50%. 300 active users

Co-Founder and CTO of Sider   *November 2019 - Present, Fayetteville AR*
- Founded Sider, a company that connects small companies that need work done with skilled students who can help
- Developed a website and mobile application that facilitates the connections of companies and students. Includes chat system, integrated payment, portfolio document upload, and mobile text signup.

Software Engineering Intern for Google Cloud Auto Machine Learning Platform   *Summer 2019, Seattle WA*
- Launched beta UI for Google Cloud AutoML Video Intelligence
- Created and maintained a UI for managing video datasets and machine learning models
- Wrote more expansive unit tests for components and created integration tests to test the key functionality of pages
- Improved a bounding box common component to let users edit labels on videos, allowing higher model accuracy

Accomplishments and Organizations

Founder of NWA AI Meetup   *June 2023 - Present*
- Created a meetup in my community with 100+ members
- Present on technical AI topics and AI safety issues
- Facilitate discussions about news in AI

Effective Altruism Introduction Group   *May 23 - Present*
- Actively participating and contributing to the introduction group discussions and activities.
- Learned core ideas of rationality and how to think about to how make an effective impact on the world

President of Association of Computing Machinery (200 members)   *Fall 2019 - Spring 2020*
- Led a team of six officers to schedule and plan events for computer science students
- Built relationships with local companies by facilitating campus recruiting events, tech talks, and hackathons
- Lead artificial intelligence, special interest group. Created a playable checkers bot to teach the basics of AI

Eagle Scout, Member of Troop 214   *Fall 2016*