JAMES D. TANNER

Senior Software Engineer 📍 Cambridge, MA

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EDUCATION

Dartmouth College 🏛 Hanover, NH — 🎓 June 2021
Bachelor of Arts *(cum laude)* — GPA 3.81/4.0
Majors: Computer Science and Asian Societies Cultures and Languages
Citations: Database Systems, 鲁迅与胡适, and Senior Design/Implementation
Activities: Zeta Psi Fraternity, Aquinas House Catholic Student Center

Beijing Normal University 🏛 Beijing, China — 🎓 Fall 2018
Language Study Abroad Program

RELEVANT EXPERIENCE

MITRE 💼 Bedford, MA (Hybrid) — 📅 April 2022-The Present
Software Engineer

- Led Task team (designers and engineers) to develop prototype and deliver on updates developed from user feedback
- Led development team as Scrum Master to plan, execute, and evaluate progress during regular Sprint cycles and report to sponsors
- Single-handedly created and demoed prototype to showcase newly developed framework to multiple sponsors and secure funding
- Collaborated with human-centered engineers to convey requirements from sponsors and guide design and implementation
- Stood up Gitlab CI/CD pipelines to automatically deploy software company-wide, enabling faster development and testing

MITRE 💼 Bedford, MA (Hybrid) — 📅 July 2021-April 2022
Associate Software Engineer

- Coordinated manual and automated testing as the Quality Assurance Lead for a large federal research ecosystem
- Mentored interns and helped onboard new hires to teach business strategy and culture and provide technical expertise
- Enhanced dev-ops processes by creating custom graphical interfaces for executing Ansible scripts and logging errors
- Created full-stack prototype of a web-based dashboard to support natural language processing research (see publications)
- Modernized full-stack web applications using FastAPI and Vue3

MITRE 🖥 Fully Remote — 📅 Summer 2020, Decemember 2020
Software Development Intern

- Contributed to full-stack development team to create graphic visualizations of user data for large public research ecosystem
- Developed modern customizable embedded header for internal sites using web components and Webpack from scratch
- Created Node.js scripts to automatically upload files to IBM Cloud

Complete list of internship experience can be found on my LinkedIn.

PUBLICATIONS

📄 Branting, K., McLeod, S., Howell, S., Weiss, B., Profitt, B., Tanner, J., … Shin, D. (2022). A computational model of facilitation in online dispute resolution. *Artificial Intelligence and Law*. doi:10.1007/s10506-022-09318-7

ACTIVE CLEARANCES

- DoD Top Secret Clearance
- VA Suitability Moderate (MBI)
- DHS EOD Granted IT Medium (5C)

TECHNICAL SKILLS

Full-Stack | Dev Ops | Agile

Documentation | Databases | Demos

LANGUAGES

Python	●●●●●
Typescript	●●●●○
Docker	●●●●○
Rust	●●●○○
Java	●●●○○
Matlab	●●●○○
C#	●●●○○

Vue3	●●●●●
Flask	●●●●○
React	●●●●○
SQLAlchemy	●●●●○
Node.js	●●●○○

Postgres	●●●●○
MySQL/MariaDB	●●●●○
ElasticSearch	●●●○○
MongoDB	●●●○○

OUTSIDE THE OFFICE

🧰 **Woodworking & Tinkering**
Whether it be software or physical, I love making things. Woodworking is a hobby I picked up through charity work for Habitat for Humanity in high school. I focus on mostly functional furniture and smaller projects for myself and others.

🪧 **Hiking & Camping**
I make a habit of going on a day hike or weekend camping trip at least once a month in the summer. I am a huge National Parks fan and next on my list is the Dry Tortugas.

🎥 **Film**
I have watched over 600 films on Letterboxd and appreciate both modern and classic films. I especially gravitate towards independent short films and vignettes.