

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

- Designed and developed a prototype showcasing a new framework, securing \$1 million in new sponsor funding
- Configured Gitlab CI/CD pipelines to automatically deploy software company-wide, enabling faster development and testing

As **Task Lead & Scrum Master**:

- Met with application stakeholders and integrated feedback into new feature development
- Led team of 5 designers and engineers through regular sprint cycles to plan, execute, and evaluate progress
- Collaborated with human-centered engineers to convey requirements from sponsors and guide design and implementation

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

- 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*)

As **Quality Assurance Lead**:

- Coordinated manual and automated testing amongst team of 15 engineers for research ecosystem with hundreds of users
- 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 on-line 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 Web Dev Task Leadership
Databases Dev Ops Agile Dev
Prototyping Demos & User Sessions
Automated Testing Documentation

LANGUAGES

Python
Typescript
Docker
Rust
Java
Matlab
C#

FastAPI
Vue3
Flask
React
SQLAlchemy
Node.js

Postgres
MySQL/MariaDB
ElasticSearch
MongoDB

OUTSIDE THE OFFICE

🔨 **Woodworking & Tinkering**
I love making things. Woodworking is a hobby I picked up through charity work for Habitat for Humanity in high school. I mainly focus on functional furniture and smaller projects.

🏕️ **Hiking & Camping**
I make a habit of going on a day hike or weekend camping trip at least once a month in the summer.

🎬 **Film**
I have watched over 600 films on Letterboxd. I especially enjoy independent short films and vignettes.