JAMES D. TANNER

Senior Software Engineer ● Cambridge, MA

EDUCATION

Dartmouth College Hanover, NH

≈ June 2021 GPA 3.81/4.0

Bachelor of Arts (cum laude)

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 Language Study Abroad Program

Fall 2018

RELEVANT EXPERIENCE

MITRE Bedford, MA (Hybrid) Software Engineer

April 2022-The Present

- 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) **Associate Software Engineer**

i July 2021-April 2022

- 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 Software Development Intern Summer 2020, Decemember 2020

- 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 Web Dev

Task Leadership

Databases

Dev Ops

Agile Dev

Prototyping

Demos & User Sessions

Automated Testing

Documentation

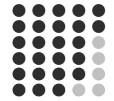
LANGUAGES

Python Typescript Docker Rust lava Matlab



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.