

# T. M. PREVO

Cascade Locks, Oregon

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## SUMMARY

**Software engineer & digital-native with a passion for generative AI.** Expert in analytical problem solving with a proven track record in managing complex remote projects on distributed teams. **Proficient in Jira, Git, GitHub, Python, JavaScript, HTML/CSS, Streamlit, MATLAB, PowerShell;** experience with LLMs (OpenAI/GPT, Meta/Llama, Anthropic/Claude, Google/Bard), prompt engineering, SaaS, PaaS, IaaS, Kotlin, Compose, Android Studio, Google Cloud Platform (GCP), Docker, LangChain; familiar with Copilot, RAG, AWS, Azure. Experienced in collaborating with cross-functional teams to deliver high-quality, fault-tolerant systems. **Committed to continuous learning and innovation in development methodologies, ensuring software accessibility, integrity, and performance.** Successfully identified and resolved critical system failures and software bugs in high-stakes environments like NASA and Daimler Truck North America. **Published technical author with expertise in clear, adaptable communication. Proficient in English, Spanish, and American Sign Language.**

## EDUCATION

**Bachelor of Science, Engineering [3.88]**  
Portland State University, Portland, OR (2020)  
(specialty in aerospace engineering & computational mathematics)

## POSITIONS

**Embedded Software Engineer**  
Daimler Truck, Remote, 2021-2024

**Graduate Engineering Intern**  
NASA Ames & IRPI, Remote, 2020

**Software Engineering Intern**  
Daimler Truck, Portland, OR 2019

**Undergraduate Research Assistant**  
Dryden Drop Tower, Portland, OR 2018-2019

**Engineering Intern**  
NASA MSFC, Huntsville, AL 2020, 2017, 2016

## ASSOCIATIONS

**Portland State Aerospace Society (PSAS),**  
2014-2020

**American Institute of Aeronautics & Astronautics,** 2014-2018

**Portland Community College Student Leadership (ASPPC),** 2015-2016

## PUBLICATIONS

[Magnetically damped passive valve, USPTO Patent #11,098,817, Figure 2 & 3, August 24, 2021.](#)

[Thermal Analysis and Testing of OreSat: Oregon's First Satellite, Portland State University technical capstone w/ Corcoran, Dilday, et al. 2020](#)

[Omni-gravity Hydroponics System for Spacecraft, Undergraduate Research & Mentoring Program, system tolerance test results prepared for NASA Ames, 2019](#)

[Concept Analysis & Design of a Magnetically Damped Check Valve, abstract & technical keynote speaker, Oregon Space Grant Consortium 2016](#)

[Liquid Fuel Engine Test Stand, Portland State Aerospace Society & NASA UTEAP, w/ Berchand, Krishcko, Tiller, et al. 2016](#)

## SERVICE

**Trail Work Volunteer,** Pacific Crest Trail Association & Washington Trails Association  
2017-Present

**Volunteer,** Oregon Food Bank, Portland, OR  
2014-Present

**Vice President/Secretary,** PTK Honor Society, Portland, OR 2014-2016