

# Madison Davis

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## Software Engineering Intern

**SOFTWARE DEVELOPER** dedicated to honing my skills and programming abilities in a variety of languages. I strive to keep an open mind when faced with challenges and have a strong desire to learn, grow and develop my skills.

- **R Studio:** Completed a two-day R Studio and GitHub workshop at Salish Community College, June 2024.
- **Tech Skills:** Programming (Python, Java, HTML, CSS); Cloud-based platform (GitHub); Web design framework (Django); Data Structures and Algorithms; Operating Systems (Unix/Linux, Windows, Microsoft Office); Documentation (Notion); Docker & Apptainer; Learning Management Systems (Moodle, Canvas).

## EDUCATION

**Physics - Astronomy minor & B.S. in Computer Science - Software Development concentration**

UNIVERSITY OF MONTANA, Missoula, Montana, expected May 2027

**Cybersecurity Hackathon:** Earned 3<sup>rd</sup> Place in the 2024 Cybersecurity Hackathon.

**International Planetary Society Association:** Represented the University at the July 2024 meeting in Berlin, Germany.

## COMPETENCIES

Curiosity	Ability to work Independently	Quick Learner
Full of Creativity	Precise Time management	Eager for Challenges
Great Collaboration	Highly Organized	High energy and Friendly

## PROFESSIONAL EXPERIENCE

### IT Research Computing Support

*Research Computing, University of Montana, Missoula, Montana, May 2024 to present*

- Support researchers across various fields by aiding in running jobs with SLURM and understanding their workflows. Walk users through navigation of HPC. Write bash scripts and navigate Linux systems.

### Planetarium & Observatory Presenter

*Physics & Astronomy Department, University of Montana, Missoula, Montana, November 2023 to present*

- Present private cosmology and astrophysics shows to audiences aged 5 years to retirees, curating shows to promote science and encourage inquisitive minds about black holes, CMB, gravitational waves, and dark matter.
- Present planetarium programs sharing knowledge of planets, star lifecycles, eclipses, stellar remnants, and the history of the universe. Answer attendees' questions. Manned 16" Boller and 8" Meade telescopes for public observation of planets, nebulae, star clusters, and distant galaxies.

### Student Tech Educator & Consultant

*IT Department, University of Montana, Missoula, Montana, November 2022 to May 2024*

- Provide faculty, staff, students, and administrators technical support for email, software, and hardware issues working within TDX Ticketing System. Communicate complex technical information to non-technical users.

### Product Support Intern

*OpenSesame, Portland, Oregon (remote), November 2021 to June 2022*

- Working with a mentor to create help tickets for users, streamline workflows, and communicate with teams to provide smooth operations. Learned about code, design, management, and tech stack.
- Got more familiar with eLearning, education technology, SCORM, and emphasis on employee training.

## REFERENCES

### **Nathan Burkhart**

Client Experience Manager

University of Montana

Information technology

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### **Joshua Tucker**

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### **Michael Couso**

Research Computing Specialist

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