

Thomas Donnelly

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EXPERIENCE**Software Engineering Intern May 2023 - Aug 2023**

Hobu Inc., Iowa City, IA May 2024 - Aug 2024

- Worked with a small team to plan and develop software utilizing LIDAR data.
- Employed Meta's open-source neural network, Llama, to classify large LIDAR maps into categories such as ground, water, buildings, and vegetation using Python.
- Developed a Slack app that returns a STAC of tiled geological maps stored on AWS, utilizing Terraform for architecture and Typescript for Lambda functions.

Certified Nursing Assistant June 2019 – Sept 2021

Prairie Manor, Blooming Prairie, MN

- Provided basic patient care, including feeding, personal hygiene, mobility assistance, and monitoring vital signs in a four-wing rural long-term nursing facility.
- Worked as part of a team with registered nurses and 2-4 other certified nursing assistants.
- Adapted to pandemic conditions, including state-mandated COVID testing, isolation protocols, and monitoring for visitors.

EDUCATION**Bachelor of Computer Science May 2025**

Winona State University, Rochester/Winona, MN

- Current GPA: 3.35
- Coursework includes Java, software engineering principles, databases, SQL, and security management.
- Created an Emotional Recognition software as part of a neural network project, achieving 60% accuracy.

SKILLS

- **Programming:** Python, Java, Typescript, Swift
- **Cloud Services:** Amazon Web Services (AWS)
- **Development Tools:** Terraform, Lambda
- **Specialization:** Computer Vision, GDAL
- **Other:** Teamwork, software engineering, neural networks

REFERENCES UPON REQUEST

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