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, HTML, CSS, Javascript

- **Cloud Services:** Amazon Web Services (AWS)

- **Databases:** MySQL, DynamoDB

- **Development Tools:** Terraform, Lambda, Github

- **Specialization:** Computer Vision, GDAL, PDAL

- **Other:** Teamwork, software engineering, neural networks

REFERENCES UPON REQUEST

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