**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**