**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](https://www.python.org/), [Java](https://www.java.com/en/), [Typescript](https://www.typescriptlang.org/), [Swift](https://www.swift.org/), HTML, CSS, [Javascript](https://www.javascript.com/)
* **Cloud Services:** [Amazon Web Services (AWS)](https://aws.amazon.com/free/?gclid=CjwKCAiAiOa9BhBqEiwABCdG8xJm7dpo0Ifa4i8UYcSexU289wg1I5QgB0YQaTpD3Cc5l3oCR2H94hoCvTYQAvD_BwE&trk=6a4c3e9d-cdc9-4e25-8dd9-2bd8d15afbca&sc_channel=ps&ef_id=CjwKCAiAiOa9BhBqEiwABCdG8xJm7dpo0Ifa4i8UYcSexU289wg1I5QgB0YQaTpD3Cc5l3oCR2H94hoCvTYQAvD_BwE:G:s&s_kwcid=AL!4422!3!651751059777!e!!g!!amazon%20web%20services!19852662197!145019195737&all-free-tier.sort-by=item.additionalFields.SortRank&all-free-tier.sort-order=asc&awsf.Free%20Tier%20Types=*all&awsf.Free%20Tier%20Categories=*all)
* **Databases:** [MySQL](https://www.mysql.com/), [DynamoDB](https://aws.amazon.com/dynamodb/)
* **Development Tools:**[Terraform](https://developer.hashicorp.com/terraform/language), [Lambda](https://aws.amazon.com/pm/lambda/?gclid=CjwKCAiAiOa9BhBqEiwABCdG8_-jcsK9i3KVP2t5NgupDXinpyF36M-7OgfzGPhJI0F8zaahD0sMmBoC8NIQAvD_BwE&trk=e0e0d4be-47fe-4336-ab69-7eece7f3d36e&sc_channel=ps&ef_id=CjwKCAiAiOa9BhBqEiwABCdG8_-jcsK9i3KVP2t5NgupDXinpyF36M-7OgfzGPhJI0F8zaahD0sMmBoC8NIQAvD_BwE:G:s&s_kwcid=AL!4422!3!652240143523!e!!g!!amazon%20lambda!19878797032!147151597893), [Github](https://github.com/)
* **Specialization:** Computer Vision, [GDAL](https://gdal.org/en/stable/), [PDAL](https://pdal.io/en/2.8.4/)
* **Other:** Teamwork, software engineering, neural networks

**REFERENCES UPON REQUEST**

[**Document Made Using Github Actions**](http://github.com/TomTheTonk/Resume)