**Thomas Donnelly**  
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[GitHub](https://github.com/TomTheTonk) [LinkedIn](http://linkedin.com/in/thomas-donnelly-429405320)

**EXPERIENCE**

**Software Engineering Intern May 2023 - Aug 2023**  
[*Hobu Inc.*](https://www.linkedin.com/company/hobu-inc)*, Iowa City, IA* **May 2024 - Aug 2024**

* Learned how to plan, develop, and test software as a team.
* Leveraged open source software, [LLAMA](https://www.llama.com/) models, and open data to classify public [LiDAR](https://www.neonscience.org/resources/learning-hub/tutorials/lidar-basics) information using [SegmentLidar](https://github.com/Yarroudh/segment-lidar).
* Developed a chat platform using [Terraform](https://developer.hashicorp.com/terraform/language) IaC (Infrastructure as Code) on [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) using [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), [SQS](https://aws.amazon.com/sqs/)/[SNS](https://aws.amazon.com/sns/), and public APIs from [Slack](https://api.slack.com/).

**Certified Nursing Assistant June 2019 – Sept 2021**  
[*Prairie Manor*](https://prairiemanorcare.com/)*, 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 project, achieving 60% accuracy.

**SKILLS**

* **Languages:**[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:** [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), [DynamoDB](https://aws.amazon.com/dynamodb/), [Terraform](https://developer.hashicorp.com/terraform/language), [SQS](https://aws.amazon.com/sqs/)/[SNS](https://aws.amazon.com/sns/), [StepFunctions](https://aws.amazon.com/step-functions/), [S3](https://aws.amazon.com/s3/), [API Gateways](https://aws.amazon.com/api-gateway/)
* **AI/ML**: [SegmentLidar](https://github.com/Yarroudh/segment-lidar), [SegmentAnything](https://segment-anything.com/), LLMs, [LLAMA](https://www.llama.com/)
* **Development Tools**: [Git](https://git-scm.com/)/[GitHub](https://github.com/), [GitHub Actions](https://github.com/TomTheTonk/Resume/actions), [VSCode](https://code.visualstudio.com/), [Docker](https://www.docker.com)
* **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/)

**REFERENCES UPON REQUEST**

[**PERMANENT ONLINE RESUME**](http://github.com/TomTheTonk/Resume)