Thomas Donnelly
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GitHub LinkedIn

EXPERIENCE

Software Engineering Intern May 2023 - Aug 2023
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 models, and open data to classify public LiDAR information using SegmentLidar.
- Developed a chat platform using Terraform IaC (Infrastructure as Code) on Amazon Web Services (AWS) using Lambda, SQS/SNS, and public APIs from Slack.

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 Graduated May 2025
Winona State University, Rochester/Winona, MN Current GPA: 3.42

- Coursework includes Java, software engineering principles, databases, SQL, and security management.
- Created an Emotional Recognition software project, achieving 60% accuracy.

SKILLS

- **Languages:** Python, Java, TypeScript, Swift, HTML, CSS, JavaScript, Rust
- **Cloud:** Lambda, DynamoDB, Terraform, SQS/SNS, StepFunctions, S3, API Gateways
- **AI/ML**: SegmentLidar, SegmentAnything, LLMs, LLAMA
- **Development Tools**: Git/GitHub, GitHub Actions, VSCode, Docker
- **Databases:** MySQL, DynamoDB
- **Development Tools:** Terraform, Lambda, GitHub
- **Specialization:** Computer Vision, GDAL, PDAL, Cybersecurity

REFERENCES UPON REQUEST

PERMANENT ONLINE RESUME