# Thomas H Beaupre

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## EDUCATION

**University of Wisconsin-Parkside** **Kenosha, WI**
*Master of Science in Computer And Information Systems / GPA 4.0* May 2025

**University of Wisconsin-Parkside** **Kenosha, WI**
*Bachelor of Science in Computer Science / GPA 3.8* May 2024

- **Honors:** Dean's & Provost's List - 2021 - 2024

## Skills & Languages

- **Programming & Development**
  - Python, Java, Go, SQL, Cypher(Learning), JavaScript, React, GraphQL(Learning)
- **Tools & Technologies**
  - Flask, Node.js, AWS, Docker, Git, Jira, Pandas, Cloudera Machine Learning, Neo4j (Learning), ILIAD, OpenAI APIs, Retrieval-Augmented Generation (RAG)

## Research NSF Research Grant

- **AIELA Chatbot - Human LA Augmentation - 2024 -25**
  - Integrated AI tools to aid in enhancing active learning and boost student engagement
  - Guides students through exercises when LA's aren't available, ensuring support at scale.
- **User Story Generation - User Story Augmentation - 2024**
  - Leveraged LLM's to refine and enrich Jira user stories for greater clarity and depth
  - Ensures user stories are complete and structured, reducing ambiguity in requirements.
- **PoliGraph - Knowledge Graph Generation - 2024-25**
  - Developed a self-generating knowledge graph for rapid analysis of service agreements
  - Automates key insights extraction, eliminating the need for manual agreement reviews.

## Work & Leadership Experience

**AbbVie** **North Chicago, IL**
*Python Generative AI Engineer* May 2024 – Present

- **Impact**: Reduce barriers to complex data ecosystems by creating tools that enhance user navigation and promote seamless integration into information-rich domains
- Design and develop a React UI, enhancing user-friendly interaction with AI systems
- Leverage AWS/ILIAD services to implement scalable and efficient AI deployments
- Generate and format data for Retrieval-Augmented Generation (RAG) solutions
- Explore and utilize Docker and load balancing to optimize deployment strategies

**AbbVie** **North Chicago, IL**
*Data Integration and Administration* June 2023 – May 2024

- **Impact**: Improved workflow efficiency by implementing matching algorithms, enabling rapid analysis and more accurate insights for strategic decisions
- Utilized Python to develop data parsing mechanisms for seamless rapid analysis of datasets
- Spearheaded data processing optimization initiatives using Cloudera Machine Learning
- Implemented data-matching automation, integrating diverse ideas to enhance accuracy
- Successfully adapted to dynamic project requirements and evolving environments

**Amazon** **Sturtevant, WI**
*FC Associate 1, L1 AMZL Logistics* December 2020 – May 2023

- Led groups of individuals, to train and inform them on various tasks to uphold workflow
- Reviewed productivity data and assisted/influenced teammates in meeting shift targets