

Thomas McManus

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SKILLS & TOOLS

- JavaScript
- React
- Node
- Express
- CSS
- Tailwind
- Pico
- Jest
- LangChain
- Python
- SQL
- MongoDB
- PostgreSQL
- Github
- Agile Development

EDUCATION

Northwestern University
Full Stack Web Development Bootcamp
Loyola University Chicago
B.A in Psychology
B.A in English - Creative Writing

EXPERIENCE

Misericordia Heart of Mercy

Crisis Intervention Trainer

January 2023 - Present

- Trained hundreds of employees on data proven techniques for crisis prevention, reduction, and intervention.
- Decreased frequency and intensity of crisis behaviors, leading to a reduction of injuries and caregiver burnout and enhanced staff retention.

Behavioral Health Specialist

February 2019 - Present

- Streamlined data collection, visualization analysis through custom Python applications.
- Developed Augmentative and Alternative communication devices powered by AI with React, Node, and MongoDB to empower and engage clients with communication disorders.
- Implemented BCBA certified behavioral therapy programs aimed as maximizing the vocational, social, and communicative skills of clients with developmental disabilities.
- Acted as a crisis responder for challenging behaviors such as physical aggression, self-harm, and suicidality.
- Ran meetings and presentations conveying progress or needed supports to guardians, stakeholders, and Illinois State Representatives

PROJECTS

Talker - AI-Powered Augmentative and Alternative Communication

November 2023 - Present

- AI-driven Augmentative and Alternative Communication (AAC) | Input your topic or question, and receive a curated selection of six potential answers tailored to your needs. Engineered with a focus on individuals with expressive communication disorders, our device offers seamless accessibility and empowerment.
- Technologies & Skills: AI | JavaScript | React | Node | Express | MongoDB | LangChain | Sass | Render | Github | Agile Development

Compoundle - Daily Puzzle Word Game with Social Media Integration

September 2023 - Present

- Original daily word puzzle game inspired by Wordle, Connections, and Contetxo. Optimizes user engagement through daily challenges, viewable profile statistics, and social media shareability.
- Technologies & Skills: JavaScript | Node | Express | SQL | Sequelize | Handlebars.js | Heroku | Github