

# Cassidy Hassell

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## EDUCATION

<b>Texas A&amp;M University</b> <i>Bachelor of Science in Computer Science, Minor in Studio Art</i>	College Station, TX Expected May 2027
<ul style="list-style-type: none"><li>Engineering Honors Program</li><li>Cumulative GPA: 4.0</li><li>Relevant Coursework: <b>Machine Learning</b>, Foundations of Software Engineering, <b>Database Systems</b>, Computer Systems, <b>Advanced Algorithms</b>, Reverse Software Engineering, Parallel Computing</li></ul>	

## EXPERIENCE

<b>Math Learning Center Tutor</b> <i>Texas A&amp;M University</i>	Aug. 2025 – Present College Station, TX
<ul style="list-style-type: none"><li>Math 150/151 – Precalculus / Engineering Calculus I</li><li>Facilitate one-on-one and small group tutoring</li><li>Identify gaps in student understanding and tailor individual explanations</li><li>Manage high-traffic help sessions, assisting up to 8 students at a time and consistently maintaining average wait times under 10 minutes during peak periods</li><li>Assisted 15–20 students weekly, including 60% repeat students who returned for continued support throughout the semester</li></ul>	

## PROJECTS

<b>Panda Express POS System</b>   <i>NextJS, TypeScript, React, Prisma, PostgreSQL, Git, Figma, Jira</i>	November 2025
<ul style="list-style-type: none"><li>Directed sprint planning and backlog refinement as Scrum Master, leveraging Jira to structure tasks and monitor progress</li><li>Implemented full-stack NextJS website with RESTful API</li><li>Architected normalized database schemas with clear entity relationships, including junction tables and line-item modeling for orders and meals</li><li>Implemented OAuth2.0 Authentication using NextAuth library and role-based session management</li><li>Acted as communication lead, resolving blockers and aligning team progress with project milestones</li></ul>	

<b>Bookstore Application</b>   <i>MySQL, Flask, SQLAlchemy, Git</i>	November 2025
<ul style="list-style-type: none"><li>Designed and implemented a relational database schema to efficiently manage bookstore inventory, customer records, and transactions</li><li>Developed a Python-based bookstore management system with separate user interfaces and workflows for customers and managers</li><li>Built RESTful API endpoints to enable secure interaction between the front-end interface and the backend database</li><li>Integrated automated bill generation with an emailing service to streamline customer communications and enhance transaction efficiency</li><li>Built user and password based authentication with JWT managed sessions and role-based authorization</li></ul>	

<b>Grocery Expiration Tracking App</b>   <i>PostgreSQL, Typescript, HTML/CSS/JS, Figma</i>	June 2024 – Present
<ul style="list-style-type: none"><li>Building a full-stack app to help reduce household food waste via grocery expiration tracking</li><li>Designed interface and user flows in Figma</li><li>Transitioning from original Android version to web-based front-end (in early development)</li><li>Developed RESTful API endpoints using TypeScript for CRUD operations with PostgreSQL Database</li><li>Implemented and maintained database migrations across development and production environments to ensure schema consistency</li></ul>	

## TECHNICAL SKILLS

**Languages:** Java, Python, C++, SQL, JavaScript, HTML/CSS, TypeScript  
**Frameworks:** React, Express.js Next.js, Flask,  
**Developer Tools:** Git, Postman, VS Code, Android Studio  
**Online Courses:** The Odin Project Foundations Course (Summer 2025)