

# Brendan Barnett

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## EDUCATION

<b>University of Connecticut</b> <i>M.S. in Computer Science and Engineering</i>	Storrs, CT May 2026
<b>University of Connecticut</b> <i>B.S.E. in Computer Science and Engineering: Computational Data Analytics</i> Minors in Mathematics, Entrepreneurship GPA 3.96/4.00 Honors Scholar, 2024 Babbidge Scholar <i>Coursework:</i> Big Data Analytics (M.S.), Machine Learning (M.S.), Data Mining (M.S.), Algorithms, Venture Capital Object-Oriented Design, Data Structures, Cybersecurity Lab, Probability, Venture Analysis, Systems Programming (TA)	Storrs, CT May 2025

## SKILLS & CERTIFICATIONS

*Computer Languages:* Python, C++, C#, C, JavaScript/TypeScript, HTML/CSS, Java, RISC-V Assembly  
*Libraries & Frameworks:* React.js, Node.js, .NET, SQLite, PyTorch, Scikit-learn, Keras, TensorFlow, Flask  
*Tools:* Git/GitHub, Azure DevOps, Jira, Visual Studio, VS Code, Eclipse, Microsoft Excel, Google Sheets  
*Bloomberg Certificates:* Market Concepts, Finance Fundamentals, Environmental Social Governance

## EXPERIENCE

<b>Software Engineer Intern</b> <i>Bentley Systems</i> <ul style="list-style-type: none"><li>- Using an Agile framework to help develop WaterSight, a data-driven water infrastructure iTwin software</li></ul>	May 2024 - Present Watertown, CT
<b>Artificial Intelligence Research Assistant</b> <i>UConn Data Science and Intelligent Systems Lab</i> <ul style="list-style-type: none"><li>- Spearhead development of a novel social network connection recommendation system to maximize user engagement and amplify the impact of targeted advertising</li><li>- Leverage continual graph learning to ensure model accuracy in dynamically evolving data environments</li></ul>	October 2023 - Present Storrs, CT
<b>Analyst</b> <i>Hillside Ventures</i> <ul style="list-style-type: none"><li>- Conduct due diligence on Pre-Seed to Series A startups for UConn's \$1mm student-run venture capital fund</li><li>- Curate investment opportunities by networking with VCs and founders to enhance deal flow</li></ul>	March 2024 - Present Storrs, CT
<b>Founder</b> <i>Green Elm Web Solutions</i> <ul style="list-style-type: none"><li>- Design and develop websites for startups and small businesses across Connecticut</li><li>- Foster client relationships through compelling storytelling to fuel business growth</li></ul>	December 2023 - Present Hamden, CT
<b>Team Lead</b> <i>UConn Information Technology Services</i> <ul style="list-style-type: none"><li>- Reduced service times by 48% by deploying and maintaining automated workflows via Jira</li><li>- Built cohesive teams through dynamic, group-based training to enhance customer service quality</li></ul>	February 2023 - May 2024 Storrs, CT

## PROJECTS

<b>AI Stock Price Predictor</b>   <i>Keras, Scikit-learn, NumPy, Pandas</i> <ul style="list-style-type: none"><li>- Constructed and presented a neural network that forecasts stock prices with an MSE of .002</li><li>- Eliminated user error by automating data processing with scikit-learn</li></ul>
<b>Blockchain Emulation</b>   <i>Abstract Data Types, Unit Testing, Python</i> <ul style="list-style-type: none"><li>- Designed a hashmap to support the distributed ledger of a blockchain in Python</li><li>- Protected and legitimized the transactions of a cryptocurrency imitation</li></ul>
<b>Multithreaded DVR Protocol</b>   <i>POSIX Threads</i> <ul style="list-style-type: none"><li>- Created a self-adjusting Distance Vector Routing protocol in C utilizing the Bellman-Ford algorithm</li><li>- Optimized performance with multithreaded computations to reduce runtime to 39 <math>\mu</math>s per relaxation</li></ul>