

Brendan Barnett

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EDUCATION

University of Connecticut <i>M.S. in Computer Science and Engineering</i>	Storrs, CT May 2026
University of Connecticut <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

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

PROJECTS

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