

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, Werth Innovators Fellow <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, SQL, Java, PHP, RISC-V Assembly
Libraries & Frameworks: React.js, Node.js, Jest, .NET, PyTorch, Scikit-learn, Keras, TensorFlow, TA-Lib
Tools: Git/GitHub, Azure DevOps, Jira, Amazon Web Services, Visual Studio, VS Code, Eclipse, Postman, Excel
Certifications: AWS Solutions Architect - Associate, Bloomberg Market Concepts, Bloomberg Finance Fundamentals

EXPERIENCE

Software Engineer Intern <i>Bentley Systems</i>	May 2024 - Present Thomaston, CT
<ul style="list-style-type: none">- Developed data visualization features for WaterSight, a cloud software, using React.js, Typescript, C#, and SQL- Collaborate with a team of developers to fix critical bugs and build features in a fast-paced, Agile environment	
Artificial Intelligence Research Assistant <i>UConn Data Science and Intelligent Systems Lab</i>	October 2023 - Present Storrs, CT
<ul style="list-style-type: none">- Lead the development of a social network connection recommendation system using continual graph learning- Create CGL node and graph-level performance benchmarks, standardizing model evaluation to aid PhD research	
Analyst <i>Hillside Ventures</i>	March 2024 - Present Storrs, CT
<ul style="list-style-type: none">- Conduct due diligence on Pre-Seed to Series A startups for UConn's \$1mm student-run venture capital fund- Curate investment opportunities by building rapport with AI/SaaS-focused VCs and founders to boost deal flow	
Founder <i>Green Elm Web Designs</i>	December 2023 - Present Hamden, CT
<ul style="list-style-type: none">- Design and construct websites for small businesses in CT, optimizing their online presence to drive more sales- Sell services and negotiate contracts using active listening to build trust and forge long-term partnerships	
Team Lead <i>UConn Information Technology Services</i>	February 2023 - May 2024 Storrs, CT
<ul style="list-style-type: none">- Reduced service time by 48% by deploying and maintaining automated workflows via Jira- Built cohesive teams through dynamic, group-based training to enhance customer service quality	

PROJECTS

Technical Trading Algorithm <i>TA-Lib, YFinance, Technical Indicators</i>
<ul style="list-style-type: none">- Beating the S&P 500 by 21.60% over two years by developing an algorithm that solely trades VOO, an S&P ETF- Trigger trades via automated analysis of technical indicators, including RSI, Bollinger Bands, and MACD
Blockchain Emulation <i>Abstract Data Types, Unit Testing, Python</i>
<ul style="list-style-type: none">- Constructed a blockchain to legitimize and protect the transactions of a cryptocurrency imitation
AI Stock Price Predictor <i>Keras, Scikit-learn, NumPy, Pandas</i>
<ul style="list-style-type: none">- Built and presented a neural network that forecasts the price of any public company with an MSE of 0.002- Automated data preprocessing with scikit-learn to streamline analysis and optimize efficiency
Multithreaded DVR Protocol <i>POSIX Threads, Networks</i>
<ul style="list-style-type: none">- Developed a distance vector routing protocol and optimized runtime to 39 μs per relaxation using multithreading