

Ryan Barczak

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EDUCATION

Stonehill College | Easton, MA

Anticipated Graduation: May 2027

Candidate for Bachelor of Science Degree in Computer Science

Major: Computer Science | **Minor:** Spanish | **GPA:** 3.13

Awards: Presidential Merit Scholarship, Dean's List

Campus Engagement: Member of Association for Computing Machinery

PROJECTS

Airline Reservation System Web App | *Python, Django, PostgreSQL, Firebase, HTML/CSS/React.js (in progress)*

- Designing a full-stack airline booking platform with user authentication, flight scheduling, and ticket reservations
- Developing RESTful APIs with Django and PostgreSQL for secure, scalable backend functionality
- Integrating Firebase for real-time notifications and user session management
- Building responsive React.js front-end with flight search and booking flow

Media Store System Web App | *Python, Django, PostgreSQL, Firebase, HTML/CSS/React.js (in progress)*

- Building a full-stack web app simulating an online media rental and purchase system
- Develop Django models and utilize PostgreSQL to manage movies, games, and customer transactions
- Implement user authentication and role-based access for different account types
- Leverage Firebase for cloud-based storage and real-time inventory updates
- Design responsive UI with React.js for an elevated user experience
- Utilize AI to give media recommendations to users based on preferences and interests

EXPERIENCE

Undergraduate Assistant – Computer Science Department | *Stonehill College*

August '25 – Present

- Collaborate alongside CS professors with redesigning homework and coding assignments
- Propose alternative assignment structures and strategies to combat the use of Generative AI on assignments
- Design updated homework problems that peak the interests of the student

Customer Service and Food Service Roles | *Dunkin Donuts, Mary's Pizza and Pasta*

January 2023 – Present

- Deliver high volume customer service, assisting customers with accuracy and efficiency
- Operate registers, manage transactions and ensure order accuracy
- Collaborate with team members in fast paced environments to ensure smooth operations
- Train new staff on various procedures and service standards, improving team productivity

COMMUNITY ENGAGEMENT

Wildlife Volunteer | *Quogue Wildlife Refuge*

May 2022

- Partnered alongside a team of other volunteers on keeping the refuge clean and free of debris
- Supported conversation tasks and facility upkeep
- Assisted visitors with questions and promoted wildlife protection

SKILLS & CERTIFICATIONS

Computer: Java, Python, R, Microsoft Office 365, Mac OS, Windows OS

Relevant Coursework: Data Structures, Statistics for Science, Computer Science I & II

Tools and Technologies: Git, Django, PostgreSQL, RESTful API

Languages: English (Native), Spanish (Conversational)