

Bernard Vitale

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EDUCATION

Stevens Institute of Technology Hoboken, NJ <i>Bachelor of Science in Computer Science</i> Awards: Dean's List (Fall 2022, Spring 2023, Fall 2023, Spring 2024, Fall 2024)	Sept. 2022 – Dec. 2024 GPA: 3.75
Brookdale Community College Lincroft, NJ <i>Majored in Computer Science</i> Awards: Phi Theta Kappa Honor Society, Dean's List (Fall 2020, Spring 2021, Fall 2021)	Sept. 2020 – Aug. 2022 GPA: 3.88

WORK EXPERIENCE

Application Development - Professional I <i>Fiserv</i> <ul style="list-style-type: none">Develop, maintain, and enhance custom client applications using SQR on the DNA core banking platform.Translate client business requirements into scalable technical solutions within the DNA ecosystem.Design and optimize SQR programs for performance, reliability, and maintainability.Write SQL queries and implement data transformations to support custom reporting.	Dec. 2025 – Present <i>Berkeley Heights, NJ</i>
Web Programming Course Assistant <i>Stevens Institute of Technology</i> <ul style="list-style-type: none">Conducted weekly office hours, providing guidance to 30+ students on assignments and reinforcing course concepts.Tested and reviewed automated grading scripts to ensure consistent and error-free grading for lab assignments.Clarified complex course topics to improve student comprehension and problem-solving skills in web development.Evaluated and graded student assignments with detailed, constructive feedback, enhancing students coding skills.	Sept. 2024 – Dec. 2024 <i>Hoboken, NJ</i>
Web Developer (Contract) <i>The Lawn Spa</i> <ul style="list-style-type: none">Developed a fully responsive website for a landscaping company and deployed it on Vercel: The Lawn Spa.Ensured seamless adaptability across devices with a mobile-friendly layout by using a responsive design.Implemented a contact form allowing direct client communication, using NodeMailer to handle email submissions.Monitored and resolved technical issues, implementing improvements enhancing website stability and functionality.	Sept. 2023 <i>Cliffwood, NJ</i>

PROJECTS

Audio Ave <i>JavaScript, HTML, CSS, Handlebars, Node.js, Express.js, Git, Spotify API</i> <ul style="list-style-type: none">Led a team of four developers to create a social media-style app for Spotify listeners, leveraging the Spotify API.Developed the user profile pages and the middleware to handle Spotify authentication and authorization.Contributed to AI-generated playlist functionality, Spotify stats tracking, and a social playlist-sharing feed.	
BiomechVIS <i>Python, Plotly, Dash, Bootstrap, CSS, Git</i> <ul style="list-style-type: none">Collaborated in a team of five to develop a data visualization tool for the Biomedical Engineering Lab at Stevens.Implemented functionality to plot data from various .mat files onto interactive 2D and 3D graphs.Developed intuitive menus allowing users to create an unlimited number of 2D graphs with multiple data points.	
Space Adventures <i>Python, PyGame</i> <ul style="list-style-type: none">Developed a 2D space survival video game where players dodge and destroy meteors and enemy starships.Implemented pixel-perfect collision detection and a real-time score tracking, enhancing gameplay accuracy.	

TECHNICAL SKILLS

Languages: JavaScript, HTML/CSS, Java, Python, C, C++, SQL, SQR

Frameworks: React, React Native, Node.js, Express.js, Spring Boot, Dash, Bootstrap

Tools & Databases: Git, VS Code, MongoDB, Redis

Libraries: Handlebars, Axios, Plotly, PyGame, jQuery

EXTRACURRICULAR ACTIVITIES

Stevens Ice Hockey Team - Alternate Captain	Sept. 2022 – Dec. 2024
Jersey Shore Whalers - Captain	Sept. 2020 – Feb. 2022