

# Bernard Vitale

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## EDUCATION

**Stevens Institute of Technology | Hoboken, NJ** Sept. 2022 – Dec. 2024  
*Bachelor of Science in Computer Science* GPA: 3.75

**Brookdale Community College | Lincroft, NJ** Sept. 2020 – Aug. 2022  
*Majored in Computer Science* GPA: 3.88

## WORK EXPERIENCE

**Application Development - Professional I** Dec. 2025 – Present  
*Fiserv* *Berkeley Heights, NJ*

- 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.

**Web Programming Course Assistant** Sept. 2024 – Dec. 2024  
*Stevens Institute of Technology* *Hoboken, NJ*

- 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.

**Web Developer (Contract)** Sept. 2023  
*The Lawn Spa* *Cliffwood, NJ*

- 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.

## PROJECTS

**Audio Ave** | *JavaScript, HTML, CSS, Handlebars, Node.js, Express.js, Git, Spotify API*

- 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** | *Python, Plotly, Dash, Bootstrap, CSS, Git*

- 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** | *Python, PyGame*

- 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

## LEADERSHIP & INVOLVEMENT

**Assistant Coach - Howell High School Varsity Hockey** Nov. 2024 – Present

**Alternate Captain - Stevens Ice Hockey** Sept. 2022 – Dec. 2024

**Captain - Jersey Shore Whalers** Sept. 2020 – Feb. 2022