

# Bernard Vitale

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## EDUCATION

<b>Stevens Institute of Technology   Hoboken, NJ</b> <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
<b>Brookdale Community College   Lincroft, NJ</b> <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

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

## PROJECTS

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

## 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

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