

# EDUARDO HERNANDEZ

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## EDUCATION

**Stevens Institute of Technology** | Hoboken, NJ – Expected May 2025

*Bachelor of Science*, Computer Science, GPA: 3.60

**Relevant Coursework:** Data Structures, Algorithms, Programming languages, Systems Programming, Machine Learning Algorithms, Data Science and Diversity, Software Development Process, Database Management Systems.

**Awards:** Generation Google Scholarship, Jack Kent Cooke Foundation Undergraduate Transfer Scholarship.

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## SKILLS

- **Programming languages:** Javascript, Python, Java, HTML, CSS, C++, C, MySQL, R, Ocaml, Typescript
  - **Frameworks/Technologies:** React, Node.js, Django, PostgreSQL, MongoDB, Express.js, Git, GitHub, Jest
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## WORK EXPERIENCE

**Cyasoon – Manhattan, NY**

**Full Stack Software Engineer**

*May 2024 – Aug 2024*

- Developed and executed 80+ unit tests and diverse test scenarios using Jest for the REST API service, ensuring comprehensive coverage of all database access routes and ensuring the app features functionality..
- Developed and managed various backend routes using Node.js, including video upload, delete and edit, as well as APIs for password management and user information updates, ensuring a comprehensive and secure backend system.
- Integrated and enhanced UI features on the front-end using React, establishing connection to the API for effective backend interactions.
- Authored detailed documentation to clearly explain unit testing processes, backend development, and front-end integration, facilitating better understanding and maintenance.

**Stevens Institute of Technology, Hoboken, NJ**

**Teaching Assistant – Introduction to Python and Data Science**

*Jun 2023 – Aug 2023*

- Taught Python programming concepts and practices to 44 high school students, assisting in developing their coding skills and applying them to real-world data analysis.
- Facilitated lab sessions, office hours, and providing one on one support to help students clear their doubts and get a better understanding of the course material.

**Bergen Community College, Paramus, NJ**

*Jan 2021 – May 2022*

**STEM Intern – Software Engineer**

- Developed malware using C/C++, utilizing system calls to access low-level computer features, and implementing keyloggers, trojans, and user-friendly mini-games to demonstrate cybersecurity practices.
  - Created a front-end website using Javascript, HTML, and CSS with intentionally malicious links and ads, designed to simulate potential threats and illustrate the impact of clicking on suspicious content.
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## PROJECTS

**Personal Website**

*Jul 2024 – Sept 2024*

- Developed an interactive personal website using React, incorporating CSS and JavaScript animations to deliver an engaging and user-friendly front-end experience.
- Utilized state management in React to handle dynamic mouse movement effects and manage component states and props, enabling interactive elements and efficient data flow throughout the application for an enhanced user experience.

**MyMusic Website**

*Sept 2022 – Dec 2022*

- Designed and developed a dynamic music scrolling feature using HTML, CSS, and JavaScript, integrating the Spotify API to pull and display live music tracks on the front-end for an engaging user experience.
- Implemented a music recommendation system using Python and pandas, referencing an Excel database to suggest songs based on user-input genres, enhancing user experience and engagement.
- Developed and maintained backend services to handle API requests and manage data retrieval from the music recommendation system, ensuring seamless integration between the front-end interface and backend functionalities.