

EDUARDO HERNANDEZ

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EDUCATION

Stevens Institute of Technology | Hoboken, NJ

Expected May 2025

Bachelor of Science in Computer Science

Coursework: Data Structures, Algorithms, Web Programming, Software Development Cycle, Database Management Systems, Systems Programming, Data Science and Diversity, Agile Methods for Software Development

Awards/Scholarships: Generation Google Scholarship, Jack Kent Cooke Foundation Undergraduate Transfer Scholarship, Cafe Bustelo Scholarship, Franco Miranda Scholarship, Stevens Global Scholarship, El Salvador National Youth Award

SKILLS

- **Programming languages: Advanced:** JavaScript, Python, HTML, CSS | **Intermediate:** Typescript, Java, C++, MySQL
- **Frameworks/Technologies:** React, Node.js, Django, Flask, PostgreSQL, MongoDB, Express.js, Git, GitHub, Linux
- **Languages:** Spanish (Native), English (Native)

WORK EXPERIENCE

Cyasoon | Manhattan, NYC

Full Stack Software Engineer Intern

May 2024 – Aug 2024

- Engineered 15+ backend routes using Node.js, including APIs for authentication and video functionality, optimizing the iOS app, resulting in 1000+ downloads with 250+ active users
- Assembled and executed 100+ unit tests for the REST-API service, ensuring 100% coverage of all database access
- Integrated UI features for data visualization, enabling investors to view app metrics, boosting productivity by 10%
- Led the deployment of Cyasoon.biz website using React, streamlining partnership onboarding process and facilitating collaborations with 10+ local NYC stores

Stevens Institute of Technology, Hoboken, NJ

Teaching Assistant – Introduction to Python and Data Science

Jun 2023 – Aug 2023

- Instructed Python concepts in the Stevens Pre-College Program to 50+ high school students, assisting in developing their coding skills and applying them to real-world data analysis
- Mentored students in developing an ML model to predict diabetes risk using Pima Indians medical data, resulting in 100% of students successfully building models with 90% prediction accuracy average

John Cabot University, Rome, Italy

Research Assistant for Dr. Parra – Predictive Model for Students' Academic Performance

May 2023 – Jun 2023

- Improved data accuracy by 15% through rigorous cleaning, analyzing patterns and preprocessing techniques
- Developed a predictive model for student academic performance through decision trees, achieving 87% accuracy

Bergen Community College, Paramus, NJ

May 2022 – Aug 2022

Software Engineer Intern – STEM Scholars Program

- Generated malware in C++ utilizing system calls to access low-level computer features and implementing keyloggers, trojans, and mini games to demonstrate cybersecurity practices
- Created a website using React with malicious links and ads designed to simulate potential cyber-threats, increasing cybersecurity awareness at Bergen by 15% through 5+ workshops
- Served as project leader, reviewing code and facilitating communication among team members and faculty, culminating in a 2nd place finish in the Bergen STEM Projects Poster Competition

PROJECTS

WiFly NYC

Sep 2024 – Dec 2024

- Designed a website to retrieve coffee shops and events happening in the city using the NYC Open data API
- Developed 10+ routes and 2 API's using Node.js, enabling real-time retrieval and display free Wi-Fi locations in NYC

Personal Website | <https://master--eduardoh.netlify.app/>

Jul 2024 – Sep 2024

- Implemented an interactive website in React, building 20+ components utilizing CSS for layout and grid systems
- Used State Management to handle dynamic effects and props, improving interactivity and optimizing data flow

EXTRACURRICULARS/LEADERSHIP

- Latin American Student Association (*President*), Hispanic Society of Professional Engineers (SHPE), Soccer Club, International Student Association, The Open Door NYNJ (*Math/ESL Instructor*)