Levin E. Sánchez Willems

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EDUCATION

Northeastern University, Boston, MA   May 2025
Bachelor of Science, Computer Science and Business Administration. **GPA: 4.00 / 4.00**
Related Coursework:
- Fundamentals of Computer Science I & II, AP Computer Science A (Test score: 5)
- Discrete Mathematics & Calculus I for Science and Engineering

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SKILLS

Programming	Java • JavaScript • PHP • DrRacket
Web & Database	HTML • CSS • XAMPP
Languages	English • Spanish • German • French

RELEVANT EXPERIENCE

Sudoku Generator & Solver   December 2021
Personal Project │ (GitHub)
- Used **Java** to develop an algorithm able to create and/or solve every possible valid Sudoku board.
- Using recursion techniques such as backtracking, developed an algorithm able to instantly solve any valid Sudoku board.
- With help of the solving algorithm, created a Sudoku generator, which produces a random and valid Sudoku board.

Levin Sanchez Portfolio Website   December 2021
Personal Project │ (Website) –- (GitHub)
- Used **HTML**, **CSS**, and **JavaScript** to create a personal high-quality website intended to serve as a portfolio.
- The website is up and running and open to the public on the internet.

PantherHack   April 2021
Princeton Day School Hackathon │ (Game)
- Used **JavaScript** to develop a completely functional and interactive "choose your own adventure" history-quest game.
- Integrated media and design libraries from "Code.org" for the game's visual representation and design.
- The user must answer History-related questions to advance through levels, where each answer leads to a different outcome.
- Designed a user-friendly interface that functioned seemingly in each of the game's screens.

Penny Pitch   March 2021
Personal Project │ (GitHub)
- Used **Java** to create a functional and interactive a prize-winning Penny Pitch game.
- A 5x5 board is created where each of the 5 prizes to win appears on 3 randomly generated squares.
- After the board is created, the user randomly throws 10 pennies at the board by pressing a button.
- If all the spaces that say the name of one of the prizes are covered by a penny, then the user wins that prize.

SC Uckerath   April - June 2018
Website Prototype │ (GitHub)
- Used **HTML**, **PHP** and **CSS** to design and code the sample prototype website for the soccer club of Uckerath, Germany.
- Used XAMPP to transition from a local test server to a live server and run the properties of PHP programming.

Transporte Sheila   June 2019
Security Signs
- Designed professional digital security signs for buses with Adobe Photoshop.
- Used on vehicles of the touristic transportation company Transporte Sheila in Santo Domingo, Dominican Republic.

LEADERSHIP & VOLUNTEER EXPERIENCE

Black Engineering Student Society (BESS) at Northeastern University	2021 - Present
Society for Hispanic Professional Engineers (SHPE) at Northeastern University	2021 - Present
Study Engine - Volunteer	2020 - 2021

- Free tutoring to the children of those working on the frontline during the Coronavirus pandemic.

Relay for Life - Co-Leader	2019 - 2021

- Communicated with directors to organize The Relay for Life Run at my high school.

Varsity/Club Soccer - Captain	2019 - 2021

- Captain of my high school's soccer varsity team and the ECNL (Match Fit Academy) during the spring season; Honorable mention New Jersey All-Prep Senior Year.

FC Hennef 05 - U7 Coach Assistant	2016 - 2018

- Coach assistant for seven-year-old soccer players in Hennef, Germany.