ADRIAN GARCIA

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Junior Computer Science major at DePaul University with a concentration in Software Development. Focused on backend development. I am passionate about programming and problem-solving; I am eager to leverage my skills to become an great software engineer and to contribute my skills to the real software engineering world.

EDUCATION

DePaul University, Chicago IL   Expected Graduation Date - 2027
Bachelor of Science in Computer Science
Concentration: Software Development
Relevant Coursework: Data Structures, Discrete Mathematics, Data Analysis, AI Assisted Imagination, Design and Analysis of Algorithms, Computer Systems, Programming Languages, Object-Oriented Programming

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SKILLS

Skills: Java (Spring Boot, MapStruct); Python; Javascript, HTML, CSS; REST API's, OOP, Data Structures & Algorithms; PostgreSQL; Git & Github; Junit, Mockito;

PROJECTS

Personal Productivity App – Developed a backend task management application to help users organize, track, and prioritize tasks. Implemented **CRUD operations**, task filtering by category, priority, and due dates, as well as sorting features. Built with **Java, Spring Boot, PostgreSQL, and MapStruct**, including validation, exception handling, and comprehensive unit & integration testing to ensure a robust backend.

Personal Budget Visualization Tool – Developed an interactive web application enabling users to input income and expense data, dynamically visualize financial information using graphs, and maintain session persistence. Utilized **JavaScript (Chart.js), HTML, and CSS** to create responsive designs and implement real-time calculations, data cleaning, and graph customization.

Inventory Management System (Java Console App) – Built a command-line inventory management system allowing users to **add, remove, search, filter, sort, and persist product data**. Applied **OOP principles, exception handling, file I/O, ArrayList, and Java collections sorting** to create a functional and reliable tool. Data persistence is handled via CSV files (inventorty.txt) enabling users to save and reload inventory.