Jacob Greene
Computer Science and Engineering

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Portfolio
GitHub

EDUCATION

Degree/Certificate	Institute	Year
B. Comp Sci	University of North Carolina at Greensboro	2022-25
A. in Science	Davie & Davidson Community College	2020-22
HS	Lexington Senior High School	2018

EXPERIENCE

- **Batteries Plus** *November 2023- August 2024*
  Device Repair Technician High Point, NC
  - Primary role included handling initial diagnostics, intake, repair/replacement, and return of customer provided electronics.
  - Handled national and local business accounts at a invoice and order fulfillment level.
  - Lead customer care in selecting and installing auto, RV, marine, and powersport batteries.

- **Lowes Hardware** *September 2021- November 2023*
  Order Fulfillment Member Winston Salem, NC
  - Primary role included fulfilling material orders via online processing and in-store placement.
  - Operated all heavy machinery including forklift, ballymore, reach truck order picker, and power lift.

PROJECTS

- **Portfolio** *2025*
  Next.js, TypeScript, Tailwind, GitHub
  - Next.js portfolio site with TypeScript, Tailwind CSS, and Framer Motion animations. Hosted on Github Pages.

- **Ideal Bet** *2024*
  Next.js, React, TypeScript, Python, Tailwind, Machine Learning, REST API, GitHub
  - NBA analytics web app for sports betting insights — built with Next.js, TypeScript, and API integration.

- **Airplane Dealership Web App** *2023*
  Laravel, Blade, Tailwind, PHP, PostgreSQL, GitHub
  - Full-stack airline booking system built as part of an academic capstone project for CSC471. The application simulates a private aircraft dealership platform, supporting role-based access and real-time management of transactions.

- **Cardinal** *2022*
  Spring Boot, Thymeleaf, Java, Javascript, H2 Database, GitHub
  - Spring application for individuals interested in hiking to find like-minded individuals for adventures on local trails. Including a map of local trails to the Piedmont area, a chatroom based on interest in a particular trail/park, and wildlife information.

TECHNICAL SKILLS

- **Programming**: Python, C/C++, Java, x86, Typescript
- **Database**: SQL, PostgreSQL
- **OS**: Linux, Windows
- **Frameworks**: Next.js, React, Spring, and more
- **Cloud Computing**: Azure
- **Other**: Git, Docker ** Elementary proficiency*

SOFT SKILLS

- **Team Collaboration, Communication, Problem Solving, Time Management**

CERTIFICATION COURSES

- **Azure Fundamentals** *Ongoing*
  Microsoft Learn
- **freeCodeCamp Certifications** *Ongoing*
  freeCodeCamp

Relevant Courses

- **Advanced Data Structures**: Algorithm analysis, algorithms (recursion, sorting, randomization), graphs, stacks, heaps, queues, lists, trees.

- **Foundations of Comp Science (I & II)**: Finite-state automata and regular expressions, context-free grammars, push down automata and their use in parsing, overview of language translation systems, models for programming language semantics, computability, and undecidability.

- **Networking (I)**: Open system interconnection, LAN & WAN, TCP/IP, routing, packet switching, network programming.

- **Database Systems**: Emphasis on query processing, design, and implementation of applications in relational (SQL) databases, introduction to other database models such as XML, object-oriented, and deductive.

- **Software Development**: Software life cycles, multi-contributor project collaboration, agile team collaboration, creation and use of API's.