Daniel J. Berg

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Education

Arizona State University   **Tempe, Arizona**
Bachelor's of Science in Computer Science (Software Engineering)   *Expected May 2027*
- <u>Relevant Coursework:</u> Data Structures and Algorithms, Software Engineering, Object-Oriented Programming, Discrete Mathematics, Programming Languages (Python, Java, C/C++)

Technical Skills
- **Languages:** Python, JavaScript, HTML, CSS, Java, C/C++
- **Technologies:** React.js, Node.js, Flask, PostgreSQL, MongoDB, REST APIs, AWS (EC2 & cloud service concepts), Pandas, NumPy, scikit-learn, Chart.js, Render, Vercel
- **Tools:** Git/GitHub, VS Code, Excel
- **Knowledge:** OOP, DSA, Databases (SQL & NoSQL), User Authentication

Solo Projects

Full-Stack Task Manager Web Application | React, Node, JavaScript | *In Progress*
- Built a **full-stack task management application** using **React, Node.js, JavaScript, HTML, and CSS**, with **RESTful APIs**, secure user authentication, and a responsive UI.
- Enabled users to **create and manage 100+ tasks per account**, integrating **PostgreSQL, MongoDB**, and **AWS cloud services** for scalable backend integrations.

Full-Stack Expense Tracker Web Application | Python, Flask, SQL | *2025*
- Developed a **full-stack expense tracking application** using **Python, Flask, SQL, HTML, CSS, and JavaScript**, supporting **authenticated user access** and responsive data entry.
- Designed a **2-table SQL schema** with aggregation queries to compute spending summaries, visualizing **100% of user expenses** through interactive charts and reducing manual tracking by ~**80%**.

Front-End Portfolio Web Application | JavaScript, HTML, CSS | *2025*

- Created a **fully responsive personal portfolio website** using **JavaScript, HTML, and CSS** to showcase projects and technical skills across desktop and mobile devices.
- Achieved a **90+ Lighthouse performance score** through asset optimization and layout stability improvements.

Activities

ACM at ASU, *Member*   *Aug 2024 - Present*
- **Collaborated** in 3–5 person teams to solve **50+ LeetCode**-style data structures and algorithms problems through weekly practice sessions and **competitive programming.**

Work Experience

Walmart, *Personal Shopper Associate*   *May 2025 - Present*
- Fulfilled and prepared **50+ online customer orders per shift**, collaborating with team members in a fast-paced retail environment to ensure accurate order fulfillment, on-time curbside pickup, and delivery readiness.