

# Briana Cowles

*Computer science student with a passion for database management, embedded programming and frontend development.*

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## Education: Rochester Institute of Technology

BS in Computer Science  
GPA 3.61

Rochester, NY  
Expected May 2022

Courses: Concepts of Computer Systems, Concepts of Parallel & Distributed Systems, Principles of Database Management, Database System Implementation, Operating Systems, Programming Skills: Rust

## Experience:

### Constellation Brands

Victor, NY

Software Engineering Intern

1/20 - 5/20, 5/21 - Current

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Worked with a team to create a program that records data from user submitted receipts into a database by fuzzy matching receipt line items with actual Constellation Brands products. (PostgreSQL, AWS RDS, AWS Lambda, Python)

Deployed and wrote extensions for an instance of CKAN, an open-source data marketplace. (AWS EC2, Python, HTML, JavaScript, nginx)

### VoltServer

East Greenwich, RI

Software Engineering Intern

5/20 - 12/20

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Created a web application that allows users to submit internal product requests stored in a database. (React, TypeScript, NodeJS, MSSQL, AWS EBS)

## Skills:

**Programming Languages:** Javascript/TypeScript (React, NodeJS), C, C#, Java, Python, SQL, Rust

**Operating Systems:** Linux, OSX, Windows

**Technologies:** AWS (Elastic Beanstalk, Lambda, RDS, Secrets Manager, VPC, EC2), Azure, Docker, Arduino

**Other:** Effective communication with coworkers, always plans ahead of pursuing projects, passionate about learning

## Projects: Plant Health Tracker

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Uses an Arduino to take plant health measurements and displays them on a webpage built with React