

# Breanna Lowery

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## Education

**Kent State University** – Bachelor of Science in Computer Science

Expected May 2025

*Related Coursework:* Database System Design, Web Programming I, Computer Graphics, Numerical Analysis, Applied Statistics, Tools for Computer Engineering, Digital Logic Design, Information Security

Activities and Societies: Design and Innovation (Fellow), HackSU

## Skills

**Languages:** JavaScript, C++, Python, HTML/CSS, SQL, MATLAB, R, VHDL

**Frameworks:** React Native, React.js, Bootstrap 5, Flask

**Tools:** Visual Studio 2022, SVN, Git, Node.js, XCode, Linux, Autodesk Inventor, Blender, PICO-8

## Projects

**Promote Me!** | Lua, Raspberry Pi, Linux, Google Cloud, PICO-8

- Global Game Jam 2024
- Designed a board game system with an embedded computer that runs local multiplayer video games for players
- Connected players' mobile devices to the board using Google Cloud, Hathora networking, and a Django API

**Oasis Air** | JavaScript, React Native, XCode

<https://devpost.com/software/oasis-air>

- SkyHack 2023 Category Winner
- Developed a solution to negative air travel experiences by providing user-inputted demographics with other passengers, ensuring comfort for flyers by minimizing unexpected behavior patterns from those around them

**Strawbrea Cosplays** | C++, Python, Arduino, Raspberry Pi, Blender, Autodesk Inventor

- Designing and building cosplays to be used by myself as well as to sell to others
- In Progress: 3D modeling and programming Daft Punk helmet replicas
  - 1/2 Helmets fully modeled in Blender to be worn comfortably while housing Arduino
  - 1/2 LED displays fully assembled and soldered together
  - LED displays are programmed with multiple display options (C++) to replicate different eras

## Experience

**Private Tutor**, Grade Potential Tutoring – Cuyahoga Falls, OH

2022 – Present

- Provided one-on-one tutoring sessions for students above grade level 7
- Qualified to tutor students in the topics of science (general), chemistry, physics, algebra I, II, geometry, pre-calculus, calculus I, and Spanish

**Assistant Store Manager**, L&M Coffee House – Cuyahoga Falls, OH

2023 – 2024

- Designed business advertisements
- Provided individual mentorship to team members and handled conflicts and communications between staff and upper management
- Created a team-first environment

**Utility Clerk**, Giant Eagle – Canton, OH

2018 – 2022

- Maintained guest loyalty by providing excellent customer service, cooperated closely with coworkers
- Stocked produce, grocery, HBC, and liquor departments