Breanna Lowery

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Education

Kent State University – Bachelor of Science in Computer Science   Expected May 2025

Kent State University – Associate of Science   May 2024

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, Node.js, Bootstrap 5, Flask
Tools: Visual Studio 2022, SVN, Git, Node.js, XCode, Linux, Autodesk Inventor, Blender, PICO-8, PyCharm, DataGrip
Libraries: pandas, NumPy, Matplotlib

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, 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
    - Soldered on LED displays 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