ELIJAH BATES

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WORK EXPERIENCE

Direct Support Professional   ● *Employment Solutions July 2021 – present*

- *Managed up to 5 clients at one time, including their different schedules, routines, & personalities.*
- *Supported clients with developmental disabilities with their day-to-day activities to help them live & work within the community.*
- *Developed an adaptable & empathetic outlook to manage challenging situations.*
- *Collaborated with client's other care-team members to find new ways to effectively communicate with them as speech is not always straightforward in the field.*

SKILLS

- C, C++, Python 3.12, Ruby, C#, JavaScript, Git, SQLite, SQL, CLI, NVIM,
- Operating Systems, Backend, AWS, iOS/Android App Development, Docker, Flask, Unity

PROJECTS

Client Information Repository   ● *Private client* ● *November 2023 - December 2024*

- *Implemented a system in Python 3.12 to make API calls (using **OpenWeather**)*
- *The collected weather data was then used to compare shifts in barometric pressure to changes in client behavior.*
- *Finished project by implementing the completed system for the client to collect, add, & compare collected data.*

CAT-Hacks Winning Project   ● *University of Kentucky Fall 2023*

- *Collaborated with other engineers to design an achievable goal within our time constraint.*
- *Designed a system for generating randomized map tile production.*
- *Led a demonstration project for panel of judges to communicate the perks of our project.*

Automated Robotic Vision System   ● *University of Kentucky Fall 2023*

- *Designed an automated system for checking water clarity and color through a camera.*
- *Coded with an offshoot of C++ (**Arduino Coding Language**) meant to work together with an arm & rotating base*
- *Collaborated with other engineers to fully integrate our systems together.*
- *Worked closely with app design engineer to debug & resolve issues with the system at large.*

EDUCATION

University of Kentucky   ● *Lexington, KY August 2022 – May 2026*

Expected graduation date: Spring 2026

Bachelor of Engineering in Computer Science & Minor in Mathematics

***Relevant Courses**:*

Intro to Programming, Intro to Program Design, Intro to Software Engineering Techniques, Discrete Mathematics, Design of Logic Circuits