**Philip Bierley**

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Location: Highland Heights, KY

**SUMMARY**

Enthusiastic Computer Science and Applied Software Engineering undergraduate with a passion for finance and an

entrepreneurial spirit, eager to gain firsthand knowledge and experience through valuable work opportunities.

**EDUCATION**

**Bachelor of Science, Double Major: Computer Science & Applied Software Engineering (GPA:** 3.87/4.0)

**Northern Kentucky University** **| May 2027**

**Related Courses:** Web Development, Full Stack Development, Object Oriented Programming I & II, Data Structures and Algorithms, Database Programming, Software Design, Theory of Computation, Computer Systems

**Honors and Awards:** College of Informatics Dean’s List, Valedictorian of Mason County High School

**Affiliations:** Governor Scholar Alumni for Entrepreneurs & Alpha Tau Omega Fraternity Member

**SKILLS**

**Programing languages:** Python, Java, JavaScript, C#, C++, TypeScript, PHP, HTML & CSS

**Environments:** IntelliJ, Visual Studio Code**,** Visual Studio, IDLE, WSL

**Additional Skills:** AWS, SQL, Sequelize, Docker, React, MongoDB, Bootstrap, Postman, Jira, Mocha, Chai

**WORK EXPERIENCE**

**Software Engineer, Fischer Homes** | Erlanger, KY | January 2025 – Present

* Implemented new features, database migrations, and bug fixes using JavaScript, TypeScript, React, Redux, Bitbucket, Git, and Jira, reducing customer complaints and boosting productivity.
* Built an automated email system to relay REST API call results from a third-party application to our Helpdesk ticketing System, to reduce internal work demand.
* Conducted code reviews and managed pull request workflows ensuring quality and consistency.
* Developed integration tests for the sales CRM backend, ensuring test coverage for each pull request.
* Received AI “Penny Pincher” award for developing a tool that analyzed large datasets to identify recurring issues across home types and vendors.

**Owner & Computer Technician, Winfield Computing** | Flemingsburg, KY | August 2021 – Present

* Automated business tasks by developing a profitability calculator, task scheduler and JavaScript, increasing efficiency.
* Utilized ubuntu and other Linux software to install and manage hardware remotely, increasing uptime.
* Built and managed cryptocurrency mining hardware to support blockchain security and transaction validation.

**Associate, Kroger** | Maysville, KY | August 2022 – May 2023

* Delivered a friendly, attentive and efficient service at checkout, maintaining consistent customer satisfaction.
* Promoted to Starbucks Barista within the store, adapting to a more fast-paced, customer-focused environment.

**PROJECTS**

**AI Investor Platform |** NKU Hackathon, sponsored by Fidelity | September 2025

Team project using JavaScript, HTML, CSS, MongoDB; built paper trading, AI chatbot, and options simulation tools.

**Stock Tracker Platform |** Final Project – Full Stack Development | May 2025

Developed a stock-focused social site with JavaScript, HTML, CSS, Bootstrap, and MongoDB for cloud storage.

**Empire Builder Game |** Individual Project | July 2024

Created a game in Java applying multithreading, inheritance, abstraction, and polymorphism to manage gameplay and object interactions.

**VOLUNTEERING**

**St. Elizabeth Student Fundraiser |** 2023 – 2025

Helped organize St. Elizabeth’s Women’s Wellness Benefit Dinner, raising nearly $100,000 over two years for medical supplies and diagnostic equipment.