Andrew Collins

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EDUCATION

Indiana University Southeast — August 2022 – May 2025
Bachelor of Science in Computer Science; Minor in Mathematics — *New Albany, IN*
- Cumulative GPA: 3.99/4.0
- Relevant Coursework: Software Engineering, Programming Languages, Data Structures, Analysis of Algorithms

EXPERIENCE

OPT Software Intern — Summer 2023 and Summer 2024
United Parcel Service (UPS) — *Louisville, KY*

Demonstrated app and back-end development expertise in C# and .NET through active collaboration with the development team to create key app features. Received recognition for outstanding performance, securing first place locally in an annual hackathon and second place internationally.

Software Developer — July 2019 – August 2022
Foundation Technologies — *Jeffersonville, IN*

Started as a part-time Server Monitor, subsequently advancing to role of part-time Web Developer. Contributed to development of interactive educational applications using Angular.

SKILLS

Languages: C#, Java, Rust, Go, Python, HTML, SCSS, JavaScript, TypeScript, SQL, C++, NASM Assembly, Kotlin
Frameworks: Angular (CLI), Bootstrap, NodeJS, .NET, Xamarin, React, ElectronJS
Software: Firebase, AWS, Couchbase, Dia, LucidChart, MySQL Workbench, VirtualBox, SQL Server
Systems: MacOS, Windows, Linux

PROJECTS

CopyType —— *ElectronJS, TypeScript, HTML, SCSS* — April 2021 – May 2023
GitHub.com/ProfXwing/copytype

- Engineered an open-source desktop application for typing eBooks, utilizing ElectronJS.
- Developed software for parsing file uploads of ePub, MOBI, and TXT eBook formats.
- Computed and stored typing statistics leveraging JSON.
- Incorporated numerous settings to enhance app customizability.

CodeCowboy —— *Go, Templ, SQLite, Bash* — August 2024 – May 2025
GitHub.com/IUS-CS/CodeCowboy

- Led a team to develop a web app in Go for automating CS grading.
- Engineered Go backend to execute student code against private unit tests.
- Restored functionality to a broken app, enabling test execution and grade submissions.

PhantomShell —— *Rust* — January 2025 – May 2025
GitHub.com/andjcoll/PhantomShell

- Developed a bash-like shell for a virtual file system in Rust.
- Implemented commands for file listing, viewing, and disk usage analysis.
- Designed custom disk formatting and parsing to simulate file system behavior.

ACTIVITIES

Audio/Video Assistant —— *Elevate Life Church* — September 2019 – May 2024
Manages slides and assists with audio and video streams as a consistent volunteer in church's audio-video booth.

Student Ambassador —— *Prosser Career Education Center* — August 2021 – June 2022
Showcased leadership skills by guiding campus tours for prospective students as a student ambassador.

Principal's Cabinet Member —— *Prosser Career Education Center* — August 2021 – June 2022
Demonstrated trustworthiness by providing valuable insights into student life.