Tyler Hinrichs

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EDUCATION

University of Connecticut, Storrs, CT — May 2024
Bachelor of Science, Computer Science | Software Design and Development Concentration — GPA: 4.0
    Honors Program, Dean's List, Babbidge Scholar, Mathematics Minor
Teaching Assistant: CSE 3200, Mobile Application Development — August 2023 - Present
Honors Thesis in CS: UI-Enhanced Generic Web Scheduling — August 2023 - Present
Senior Design Project: Team Manager, led fullstack development w/ LogicBroker — August 2023 - Present

EXPERIENCE

Travelers | TLDP Software Engineering Intern — Hartford, CT | June 2023 - August 2023

- Reimagined Engineering Excellence team's audit system through a Python and Selenium-based application, reducing audit evidence collection time from days to minutes
- Developed a suite of automated data-gathering methods, comprehensive error checking, detailed evidence logs, an intuitive command line interface, and extensive documentation
- Ensured long-term extensibility through an adaptable and modular codebase implementing the Page-Object Model pattern, MVC pattern, and other OOP principles

Wellinks | Junior Software Engineer — New Haven, CT | August 2022 - March 2023

- Continued to deliver elegant Kotlin code as an Android developer, reenvisioned weather feature through GPS support addition, improved UX and documentation, started push notifications development
- Integrated third-party tools Rollbar and Mixpanel into app, collaborated across teams to accomplish tasks

Wellinks | Software Engineering Intern — New Haven, CT | June 2022 - August 2022

- Crafted and maintained high-quality code and architecture as an Android developer using Kotlin, MVVM Pattern, Android SDK, REST APIs; delivered new feature work, bug fixes, tech debt in Agile environment
- Led development for proof of concept feature in the Android app giving comprehensive environmental insights based on local weather metrics tailored to people with COPD

PROJECTS

NitroBot
Project Link: `https://github.com/tylernh10/nitro-bot` — March 2023 - Present
- Python typing bot made with Selenium and CustomTkinter

Personal Website
Project Link: `https://tylerhinrichs.com/` — January 2022 - Present
- Developed a sleek and responsive website using HTML, CSS, and JavaScript

WeatherWise
Project Link: `https://github.com/tylernh10/weatherwise` — April 2023 - May 2023
- Android app synthesizing Google Places API and Visual Crossing weather API to help users plan their day

Graphical Editor
Project Link: `https://github.com/tylernh10/graphical-editor` — November 2022 - January 2023
- Created with C++ and Allegro5 game engine; GUI allowing a user to draw, insert, delete, move shapes, and more; designed complex actions through keybinds and GUI; used MVC, Observer, and Command patterns

SKILLS

- **Relevant Coursework:** Computer Science: Data Structures and Object-Oriented Design (Python), Discrete Math, Systems Programming (C), Algorithms and Complexity, Computer Architecture (RISC-V), Software Engineering (Java), C++ Essentials (C++), Mobile Application Development (Kotlin), Cybersecurity Lab (Python), Databases (MySQL/MongoDB), Big Data Analytics (Python/scikit-learn)
- **Programming:** Python, Java, Kotlin, C++, C, HTML, CSS, JavaScript, Git, GitHub, Android Development, Linux, OOP, MySQL, MongoDB, Selenium, Flask, scikit-learn, REST APIs, MVVM, MVC, Android SDK