

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
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 audit system for Engineering Excellence team by creating a robust automation application leveraging Python and Selenium; created flexible and reusable code through page object model pattern, MVC pattern, and other OOP principles; promoted extensibility through modular code and detailed documentation; working in an Agile environment to methodically develop application

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

- Continued to deliver elegant Kotlin code as an Android developer, reenvisioned "Today's Weather" proof of concept through GPS feature addition, integrated third-party tools into Android app such as Rollbar and Mixpanel, collaborated across teams to accomplish tasks effectively

Wellinks | Software Engineering Intern New Haven, CT | June 2023 - August 2023

- Crafted and maintained high-quality code and architecture as an Android developer using Kotlin alongside Hilt, MVVM Design Pattern, Retrofit, fullstack Android development, OOP, and REST APIs; delivered on new feature work and undertook bugs and technical debt in an Agile environment
- Led development for proof of concept "Today's Weather" 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 Systems, Systems Programming (C), Algorithms and Complexity, Computer Architecture (RISC-V), Software Engineering (Java), C++ Essentials (C++), Advanced Data Manipulation and Analysis with Python (Python), Mobile Application Development (Kotlin), Cybersecurity Lab (Python), Databases (SQL/MySQL/MongoDB)
- **Programming:** Python, Kotlin, Java, C++, C, HTML/CSS, JavaScript, Git/GitHub, Android Development, Linux, OOP, SQL, MySQL, MongoDB, Selenium, Flask