

# Tyler Hinrichs

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## EDUCATION

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**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

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**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, documentation, and early development for push notifications
- 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

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### 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

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- **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