

# 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  
**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 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 2022 - August 2022

- 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

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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 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