

CONNOR PEPPER

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Portfolio: <https://leafcathead.github.io/>

Objective: An internship or a co-op in software engineering

EDUCATION

Rose-Hulman Institute of Technology | May 2024

- Major: B.S International Computer Science
- GPA: 3.50

Ulm University of Applied Sciences (Technische Hochschule Ulm) | May 2024

Important Courses: *Object-Oriented Programming, Data Structures/Algorithms, Web Programming, Intro. to Comp. Sys. (TA), Programming Languages Concepts (TA), Foundations of Cybersecurity, Databases, Data Programming, Digital Systems, Software Project, Operating Systems, Multicore Systems Programming, Computer Networks, Software Engineering*

EXPERIENCE & PROJECTS

COURSE PLANNER WEBSITE AND DATABASE (2022)

- Using **Transact-SQL** and **Node.js**, created a course planning website with a backend database.
- Currently working with the Rose-Hulman CSSE department to expand the functionality.

SCHEME PARSER AND INTERPRETER (2021)

- Using **Chez Scheme**, created a parser and interpreter for Scheme in CPS
- Interpreter would parse, syntactically expand, and execute any valid scheme expression

INTERACTIVE MAP (2020)

- Interactive **Java** program designed to find the shortest distance between nodes using A*
- GUI was developed using JavaFX
- Users could submit their own maps if they followed a given XML format

ONLINE DATING SITE (2021)

- “Misery Loves Company”, dating site programmed in **Javascript**
- Based on mutual dislikes, matched users using an Algolia database

AUDIENCE RESPONSE SYSTEM (ARS) (2022-2023)

- Designed and implemented backend server for ARS website in **Java** using **Spring Boot**.
- Designed and implemented **MySQL** database for the site

TA | PROGRAMMING LANGUAGE CONCEPTS (2021 – Present)

- Helped students in the lab write a **Racket Scheme** compiler

TA | INTRODUCTION TO COMPUTER SYSTEMS (2022-2023)

- Helped students in the lab with **C** and **x86 Assembly** programming homework and labs