Rita Braunschweig

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ABOUT ME

I am a first-year Software Engineering student passionate about taking on challenges and contributing to meaningful projects. I bring a proactive and open-minded approach to every task, enabling me to quickly adapt and learn. I value teamwork, and my patient nature allows me to collaborate effectively in group settings. I am committed to applying my skills, while also learning from new experiences, to contribute positively to any project.

EDUCATION

BACHELOR OF SOFTWARE ENGINEERING   **2023 - current**
University Of Southern Denmark
- Entered with an average of an equivalent to a grade 10 in the Danish grading system.
- My current average is 8.8 (A-).

ACHIEVEMENTS

- Board Member in IDA Stem Students.
- Received Honor Student Award all throughout my school years.

EXPERIENCE

Semester Project Instructor – University of Southern Denmark
- Guided first year students through their semester projects, providing technical and support and mentorship.
- Focused on project management, problem-solving, and software development techniques.

Ambassador - University of Southern Denmark
- Represented the University at several events, interacting with students and promoting the software engineering field.

PROJECTS

Object Oriented Programming Project – Team Leader   **Grade: 12 (A+)**
- Programming languages: C#
- Collaborated on the development of EcoCity, a console-based sustainable city builder game with mechanics for construction, demolition, day cycles, finances, population, pollution, and happiness
- Contributed to the core gameplay features, including menu commands, day-cycle mechanics, game-ending logic, building management, and dynamic location-based building availability.

Object-Oriented Programming Project – Scrum Master   **Grade: 12 (A+)**
- Programming languages: C#, Avalonia UI
- Developed a heating optimization app based on a Danfoss case study, implementing recursive algorithms to optimize heat production by net cost, CO_2 emissions, or both. Used various combinations of production units (1, 2, or all 4). Additionality designed and implemented the frontend page for selecting optimization measures.

Full Stack Website – Product Owner
- Programming languages: PostgreSQL, Angular, TypeScript, Docker
- Currently developing a pet shelter website with a PostgreSQL database, Express REST API, and Angular frontend, fully containerized with Docker.
- I designed and contributed to the implementation of the main pages, containerized the entire application, set up the backend using Express and Sequelize, created the database, developed methods for retrieving data, and implemented a search bar using HTTP requests with backend integration.

Full Stack Website – Product Owner
- Programming languages: PostgreSQL, Angular, TypeScript, Docker
- Currently developing a website based on a Linak case study to manage standing desk settings in offices.
- Implemented the registration page logic, created a default profile feature that allows users to input their height and receive an optimal standing position that adjusts automatically, and contributed to the frontend by developing the main page and part of the analytics page.

INTERESTS AND ACTIVITIES

- Fluent in Portuguese and English
- Traveling
- Gaming