Rita Braunschweig

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ABOUT ME

I am a second-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.
- Designed the registration and main pages, implemented the registration pages, and contributed to the development of the main page. Containerized the application and set up the backend using Express and Sequelize. Developed methods for data retrieval and creation, implemented search bar functionality, and fully integrated authentication & authorization using JWT tokens with RSA keys.

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 registration page logic and developed a feature for users to input height and preferences to receive personalized sitting/standing positions and timed profiles to raise their desks. Integrated the desk API and contributed to the main and analytics pages. Designed methods to create, retrieve, and update monthly analytics, as well as profiles.

INTERESTS AND ACTIVITIES

- Fluent in Portuguese and English
- Traveling
- Gaming