



Tomas O. R. Rieck

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Tomas O. Rosenvind Rieck

Computer Scientist

Aspiring computer science graduate with great passion for development and problem-solving. I am seeking a full-time job opportunity after recently graduating from my bachelor's degree.

My primary areas of interest revolve around backend development, data science, machine learning, AI and the management of extensive datasets. I thrive when presented with challenges that demand innovative problem-solving, always striving to identify the most optimal solutions.

Throughout my academic journey, I've amassed hands-on experience in harnessing the power of Python for data science tasks. This was aptly demonstrated in my bachelor's thesis, where I meticulously crafted machine learning models. These models, including Linear Regression, Decision Tree, and XGBoost, were skillfully employed to predict the attributes of Danish badminton players.

My love for tackling complex problems, coupled with my practical skills in data analysis and software development, positions me to excel in a professional capacity, pushing the boundaries of what's possible in the field.

Education

2020 - 2024, BSc in Computer Science, University of Copenhagen

Finished courses:

- Discrete Mathematics and Algorithms
- Programming and Problem Solving
- Interaction Design
- Software Development
- Linear Algebra in Computer Science
- Mathematical Analysis and Probability Theory for Computer Scientists
- Modelling and Analysis of Data
- Algorithms and Data Structures
- Implementation of Programming Languages
- Development of Information Systems
- IT Project Management
- IT-Security
- Python Programming for Data Science
- Foundations of Computer Graphics
- Programming Language Design
- Philosophy of Computer Science
- Computer Systems
- Bachelor Thesis



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Experience

March 2021 - March 2022, *IT Student Worker, Knowledge Cube*

Detailed achievements:

- Learned how to alter and retrieve data from databases
- Got to work on smaller coding projects
- Got an insight in an IT environment
- Learned how to work together on projects as a team

August 2019 - August 2020, *Pedagogical Assistant, Esbjerg Kommune*

Caretaker of disabled or mentally disturbed adults with outgoing behavior.

Detailed achievements:

- Got experience with working with people
- Learned how to remain calm and handle stressful situations
- Learned what it means to have a full-time job

Software Development Skills

Programming

- Python
- JavaScript
- C#
- C++
- C
- .NET

Other

- SQL
- GIT
- Cloud
- SCRUM

Projects

Website

I have developed a website for my band using the React framework with JavaScript. You can check out the website at: <https://www.rootsinsuits.dk>, and see the source code here: <https://github.com/Tomasrieck/rootsinsuits>

Mobile App

I have developed a booking app for a local association in my hometown. I developed the app using the React-Native framework with JavaScript and the database is hosted via Firebase's Cloud Firestore. The app is compatible with both iOS and Android.

Follow this link to watch a short video of the app: <https://www.youtube.com/shorts/hTgvPPQHvWo>, and see the source code here: <https://github.com/Tomasrieck/riamuf>

Tax Calculator

A fellow student and I developed a program that automates the comparison process that a user encounters when considering whether to change from a gas car to an electric car.

The program retrieves data such as current electricity and fuel prices, taxes, tax increases, information about the current car via a license plate registry, and details about the potential electric car via a link to it. The results are then presented in an intuitive user interface.

The backend is locally hosted using Flask and is developed using python with parsing tools such as BeautifulSoup, as well as ChromeDriver to counter lazy loading.

The frontend is locally hosted using Vite, and is developed using Svelte with Javascript, HTML, and CSS.



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A little about me

Music

Music has been a part of my life since I was a child. I mainly play drums, piano and guitar, and I have played in various bands/orchestras throughout my life. I am currently the drummer in a wedding band where we play around 20 gigs a year.

Social life

I live in a lovely apartment with my girlfriend in Nørrebro, and I love to explore the various restaurants and bars in the area with friends and family.

The rest...

If you'd like to get to know me better, I'd be happy to come visit you for an interview :)