

EMIL SEBASTIAN RØMER

Software Engineer at Ramboll Denmark & M.Sc Software Engineering

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📍 Location, Denmark

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EXPERIENCE

Software Engineer

Ramboll Denmark

📅 06-2017 – Ongoing

📍 Copenhagen

- Designing simulation software for Facilities management

Student Programmer

SDU, Mærsk Mc Møller Institute

📅 09 2015 – 06-2017

📍 Odense M

- Building low-energy portable Bluetooth trackers

Intern

Ramboll Denmark

📅 08-2016 – 12-2016

📍 Copenhagen

- Researching simulation models for building decay

Student Programmer

Powel Denmark

📅 12-2013 – 08-2015

📍 Kolding

- Developing systems dealing with nationwide utilities infrastructure

3. Level IT Support (Volunteering)

Roskilde Festival

📅 06-2013 – 07-2017

📍 Roskilde

- Setup & It Support of Festival infrastructure

EDUCATION

M.Sc in Software Engineering

University of Southern Denmark

📅 09-2014 – 06-2017

Thesis title: *Decision support systems for budget optimization of building management*

In collaboration with Ramboll Denmark, The Region Capital Region of Copenhagen & The Municipality of Hillerød

B.Sc in Software Engineering

University of Southern Denmark

📅 09-2012 – 06-2015

Bachelor thesis title: *Recognizing and visualizing energy consumption patterns of buildings using data mining* In collaboration with the municipality of Odense

PROJECTS



Domain specific languages for building dashboard web applications



Image recognition of whales



Wifi fingerprinting

Through the use of WiFi sniffing and statistical machine learning, in collaboration with a team, we dynamically build a models of the building and estimated the location of the sniffing phone.



Augmented spray can

By augmenting the physical surroundings through a phone, together in a team, we turned a smart phone into a spray can, where everyone could tag everything everywhere



Pill Dispenser

Together with an interdisciplinary team, we developed a prototype of a pill dispensing box that would keep track of the medicine in the box as well as dispense the right medicine at the right time



Motion sensor

In a 4 month project, a team and I developed a sensor that registered people walking on a stair. Through the use of a Arduino data would be collected on a server



Common Diabetic

Is a project that sat out to help people with diabetes through a Android app that helps the individual keeping track of medication



Platform for teaching children

In collaboration with the school of Søhus, a team and I developed and tested a prototype platform that can be used in schools to teach children

PROGRAMMING LANGUAGES

Python

Java

C#

R

C++

VB

