Dennis Magnusson
Date of birth: July 14, 1998
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EDUCATION

Machine Learning, Master's program, KTH Royal Institute of Technology 2020-2022
- Expected Graduation in June 2022

Datateknik, Civilingenjör, KTH Royal Institute of Technology 2017-2022
- Expected Graduation in June 2022

Teknikprogrammet, Helixgymnasiet 2014-2017
- Graduated with an average grade score of 21.98 / 22.50 points

PROJECTS

A Method for Finding Strategies in Pursuit-Evasion Games, Bachelor's thesis 2020
- Developed a multiplayer pursuit-evasion game to which Multiplayer Knowledge-Based Subset Construction was applied to find strategies
- Project was done in collaboration with one other student

Pepper Webhook, TUI Nordic 2019
- Developed, with a group of six other students, a webhook service allowing TUI Nordic's Pepper robot to perform gestures when prompted by Google Dialogflow
- Created web services in Python with Flask and configured Docker containers

RMG Music Generator 2016-2017
- A program utilizing Recurrent Neural Networks to learn to compose piano music
- Written in Lua with Torch
- Awarded Best Construction Project at regional Unga Forskare science fair at Dalarna University

WORK EXPERIENCE

Summer Internship R&D, Ericsson Jun/2021–Aug/2021
- Created a service for data visualization using Python, Jupyter Kernel Gateway and Grafana
- Configured the deployment of the service using Kubernetes

Developer, Centiglobe Jun/2019–May/2021
- Created web services with Java and Spring Boot for executing payments with different payment APIs
- Assisted with the design and implementation of APIs for internal and external use

Teaching Assistant, KTH Royal Institute of Technology Aug/2018–Present
- Hosted Supplemental Instruction sessions for the course SF1671 Mathematics, Basic course, with Discrete Mathematics
- Hosted exercise sessions, graded assignments and helped students with assignments in labs for the courses DD1396 Parallel and Concurrent Programming and DD1327 Fundamentals of Computer Science
- Lab assistant for the courses IS1500/IS1200 Computer Organization and Components and DD1351 Logic for Computer Scientists