

Aleksandar Mitic

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Education

KTH Royal Institute of Technology, Stockholm, Sweden
BSc & MSc in Computer Science and Engineering

2016 - 2021

Employment

Founded start-up codaeasy.se - Programming platform for children

Early 2017 - Summer 2018

- A platform where children can learn to program using *Easy*, a custom programming language made for learning with syntax in the child's native language
- Implemented functionality to compile and execute a clients code on a set of auto-scaling servers and communicate the results through a socket connection
- When the clients code requested input the execution was stopped and packaged so that any server could continue the execution at a later time when the input was given. This brought the server costs down as no server was ever running and waiting without executing code
- Backend built with Java and Spring running on Google Compute Engine
- I also developed the error detection and recovery in our own compiler for the *Easy* language

Tennis Coach - At tennis club SPTK

2011 - 2018

- Initially I coached younger children and players who played recreationally
- The last three years I have been coaching junior players who compete at a elite level and are among the highest ranked in Sweden
- The last two years I have also been organizing tournaments and training camps

Projects

Machine learning game AI - [code](#)

- Developed a snake-like game where the snake learns, using a q-learning algorithm, to find the goal in a few iterations
- AI was developed in Typescript
- UI made with Angular 4

Web page [bollhallen.se](#)

- Created web page for sportscenter *Bollhallen*
- Primary request was easy future modification of the webpage by non-technical staff
- Used Wordpress as it was the most appropriate for the request

Technical knowledge

Languages - Java, TypeScript, Go, Rust

Frameworks/Libraries/Platforms - Spring, Google Cloud Platform (App Engine, Compute Engine & Firebase), Angular 4, NodeJs, Travis CI

Other tools and skills - Git, IntelliJ, SublimeText