Peter Hinge

Software Engineer (SPCLST: AI & ML)
Contact: +45 24262242
contactpeterhinge@gmail.com

/in/peter-hinge-443298189
https://github.com/PeterHinge

Profile:

Being incredibly passionate about programming and new technology in general, with a background in analytical philosophy, I hold a deep theoretical understanding of the underlying logical structures of programming. Although embodying a special affection for artificial intelligence, I am always thrilled to learn new things and broaden my horizons. I learn extremely fast and thrive when challenged.

Skills:

Python | TensorFlow | SQL | GIT | HTML/CSS/JavaScript | React | Swift | Docker

Projects:

NEAT beats Flappy-bird: (Source code: https://github.com/PeterHinge/Bouncy_Ball-NEAT-)
Uses a genetic algorithm to evolve neural networks to play the Flappy Bird game.

- Custom created NEAT algorithm based on academic paper.
- Evolves neural nets from scratch to more complex structures capable of solving problems.
- Implemented NEAT in an interactive Flappy Bird game (made using PyGame).

Receipt recognition app: (Source code: https://github.com/PeterHinge/Taiwan_Receipt_App)
Uses a convolutional neural net to recognize 8-digit combinations on receipts for the Taiwan lottery.

- CNN modeling, compiling and training (using TensorFlow).
- Data handling and image processing (using matplotlib and OpenCV).
- Custom created .CSV dataset for optimized training (using OpenCV).
- Neural net displays confidence interval (using matplotlib).

Perfect Minesweeper AI: (Source code: https://github.com/PeterHinge/Minesweeper)
AI that plays Minesweeper as optimal as possible.

- Programmed rule-based and probability-based algorithms and implemented them.
- "Danish"-themed fully interactive Minesweeper game (made using PyGame).

Education:

MA: Aarhus University – Philosophy of Technology (specialist: artificial intelligence). Graduated: 2018
BA: Aarhus University – Philosophy. Graduated: 2016
High School: Egå Gymnasium – STX (major: Mathematics/Biotechnology). Graduated: 2012

Misc:

I enjoy myself on the Tennis count once awhile, both as player and coach (which has also been my job throughout university). I am a great team player, however, I am also use working and scheduling individually as I have been living on my own and studying in the US and Taiwan for a total of 3 years.