

Vandenberghe

Gaétan

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Summary

I am a dedicated third-year computer science student with a specialized focus on artificial intelligence. Proficient in all facets of AI, I possess a solid grasp of various programming languages such as Python, HTML, CSS, JavaScript, Java, and MySQL. My extensive experience includes a strong aptitude for data visualization, coupled with a keen problem-solving acumen, making me an enthusiastic contributor to innovative AI-driven solutions.

Skill Highlights

- Strong decision maker
- Complex problem solver
- Lifelong learner
- Creative design
- Innovative
- Adaptability and flexibility

Experience

- **Supervised learning project (2022)**

Worked collaboratively to develop a client screening system for an exclusive hotel using machine learning techniques and feature engineering.

 - Utilized various supervised learning algorithms to optimize client screening accuracy.
 - Employed advanced feature engineering methods to enhance model performance.
 - Contributed to rigorous model evaluation and fine-tuning processes within a team setting.
- **Neural network project (2022)**

Participated in a solo neural network competition to predict cancer treatment survival rates, employing diverse neural network techniques and Python libraries.

 - Developed and implemented a range of neural network architectures, exploring convolutional neural networks (CNNs) for image data and recurrent neural networks (RNNs) for sequential data.
 - Conducted comprehensive experimentation with various activation functions, optimization algorithms, and hyperparameters to fine-tune model performance.
 - Employed Python libraries such as TensorFlow and Keras to streamline the development and training of neural network models.
 - Gained insights into the intersection of artificial intelligence and healthcare by addressing the practical challenge of predicting treatment outcomes.

- **Programming Project (2021)**
Collaborated with five peers to create an interactive web-based game using HTML, CSS, JavaScript for frontend, and Java for backend.
 - Orchestrated seamless integration of frontend and backend elements, ensuring smooth gameplay and interactivity.
 - Demonstrated versatility by mastering HTML, CSS, and JavaScript for frontend development, while also showcasing proficiency in Java for backend logic.
 - Effectively managed team dynamics, fostering clear communication and coordination among members throughout the project lifecycle.
- **Go international (2022)**
Collaborated within a diverse multinational team to develop a drone-based solution with integrated object recognition for crop counting, utilizing a virtual environment.
 - Spearheaded cross-cultural teamwork, leveraging varied perspectives to achieve a unified project goal.
 - Utilized object recognition techniques to accurately count specific crops, enhancing precision in agricultural monitoring.
 - Seamlessly integrated coding and hardware aspects to successfully program the drone's flight and recognition capabilities.
 - Employed virtual environments to simulate real-world conditions and refine the drone's performance, showcasing adaptability in technological innovation.

Education

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| • Howest University of applied science | • Sint-Jozefscollege Torhout |
| • Bachelor of science: Computer science | • Economic-maths |

Languages

- | | |
|----------------|---------------|
| • Dutch – C2 | • German – A2 |
| • English – C2 | • Korean – A1 |
| • French – B2 | |

Certifications

Programming Languages: **JavaScript, HTML, CSS, SQL, MySQL, Java, Python**