



NIGEL TATEM

ASPIRING DATA AND COMPUTER SCIENTIST

ABOUT ME

ACTIVE

CURIOUS

WELL-
ROUNDED



WHAT WE LEAVE BEHIND IS
NOT AS IMPORTANT AS HOW
WE LIVED.

A BEGINNING



- Computer Science?
- Artificial Intelligence?
- Business?
- Final Product?



INDUSTRY FORECAST

1. What are the career options for someone interested in Computer Science?
2. What branches are there of computer science and what do they entail?
3. What companies are hiring these branches?
4. What college courses benefit the bachelor of Computer Science?
5. What are some personal projects that would advance my knowledge on the field?
6. What masters degree after the computer science bachelor is best for my goals?
7. Which major has the highest salary fresh out of university?

Software Engineering

Artificial intelligence

Data structure and algorithm

Computer graphics

Computer networks

Cybersecurity

Computer architecture

Cryptography

Databases

ANNOTATED BIBLIOGRAPHY



The future of artificial intelligence going into the solution (a tensor language). Career options in computer science.



Machine learning a step-by step process vs Deep learning which outperforms conventional machine learning techniques by automating feature learning, eliminating the need for sequential steps, and highlights DL's popularity and continuous development in the context of big data, even achieving superior performance to humans in tasks like image classification.



Procedural map generation

A form of artificial intelligence, in which a genetic algorithm is the main form used to score, create, and develop perfect maps.

Natural Language Processing

NLP encompasses a range of techniques that enable the computer to understand, interpret, and generate human language.

Business SYMPOSIUM



● UnitedHealth

Director of Regulatory Affairs Bradley Shogren opened my eyes to the problem of data management in big companies. Emphasizes the necessity of Artificial Intelligence.

● His solution

Using a form of artificial intelligence he sorts important and non-important data based on a keyword system, and automates reading and formatting of the files

● My solution

His artificial intelligence is a solution to a single problem, and is very rudimentary as he is a business man at heart, and does AI to support his ventures. My solution is meant to use my expertise and experience in computer science to create a more advanced data science AI.



Python



Readability and Simplicity

Extensive Libraries and Frameworks

NumPy, Pandas, Matplotlib, and Seaborn provide efficient and flexible tools for data manipulation, analysis, and visualization

Community Support and Integration



Data ANALYSIS

The app Jupyter is a compiler that allows for the combination of all the previously mentioned tools for data analysis. This allows for a planet or home for all tools available to a data scientist.



Jupyter



Data ANALYSIS

Code Assistance
Powerful Debugger
Integrated Tools
Code Analysis and Refactoring
Web Development Support (HTML)
Database Tools (Like Jupyter)





Budget: \$389 (Discounted to \$85)