Kannan Sekar Annu Radha

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EDUCATION

UNIVERSITY COLLEGE LONDON
MEng in Computer Science
GPA: 4.0/4.0
Sept 2021 - June 2025 | London, UK

ROYAL GRAMMAR SCHOOL
Sept 2012 - Aug 2020 | Newcastle, UK
A Levels
3A*s GPA: 4.0 / 4.0
A* Mathematics, A* Further Mathematics, A* Physics
GCSEs
7A*s 4As GPA: 4.0 / 4.0

COURSEWORK

UNDERGRADUATE
Artificial Intelligence
Algorithms
Compilers
Object Oriented Programming
Functional Programming
Computer Architecture and Concurrency
Machine Learning
Discrete Mathematics

SKILLS

TECHNICAL SKILLS
Proficient with:
Python • C/C++ • Java • Haskell
Javascript • React • Node.js • MATLAB
PostgreSQL • HTML • CSS
Git • Agile(Scrum) • Tensorflow

FUTURE

WORK EXPERIENCE
Proficient with:
• Oxcan (Oxford Cancer Analytics) SWE Intern Dec 2021
• NovoNordisk SWE Intern Jun 2022

SMALL PROJECTS

TECHNICAL PROJECTS
• Robot Abstraction in C
• Python Tetris AI
• iOS Web Browser in Swift
• iOS Watch App with Swift and CoreMotion

EXPERIENCE

NHS DIGITAL | Data Science Intern
Nov 2019 | Leeds, UK

- Developed a Natural Language Processing project (for Patient Diagnoses mapping) in Python to predict ICD9 codes by using word embedding tools such as Word2Vec, dimensional reduction TSNE.
- Trained a LSTM recurrent neural network on a sequence of ICD9 codes of past patient data to prognostically predict future diagnoses.
- Attended sprint planning sessions, agile sessions. Took on an NLP project and presented it.

KENNEDY INSTITUTE OF RHEUMATOLOGY UNIVERSITY OF OXFORD | Software Engineering Intern
Nov 2019 – Dec 2019 | Oxford, UK

- Shadowed Informatics Manager
- Learnt about how neural networks work fundamentally and how to implement them in Tensorflow.
- Image classification and digit classification using MINST datasets.
- Made a LSTM cryptocurrency trading bot.

TECHNICAL PROJECTS

NLP PROJECT | Website, Github
Nov 2019 | Leeds, UK

- Developed a Natural Language Processing project (for Patient Diagnoses mapping) in Python to predict ICD9 codes by using word embedding tools such as Word2Vec, dimensional reduction TSNE.
- Trained a LSTM recurrent neural network on a sequence of ICD9 codes of past patient data to prognostically predict future diagnoses.
- Developed with Python, Tensorflow, Keras, Pandas, Scipy, Gensim.

CRYPTOCURRENCY TRADING BOT | Website, Github
Dec 2019 | Oxford, UK

- Developed a LSTM cryptocurrency trading bot with Python and Tensorflow.

YOTECOIN | Website, Github
Oct 2019 | Gateshead, UK

- Deployed ERC20 Ethereum token to blockchain. Written in Solidity.

AUGMENTED REALITY | Website, Snapchat
Jan 2018 | London, UK

- AR filter for Snapchat with 2.58 Million views.