CHLOE CHING
Data Analyst

kubrick
GROWING DATA EXPERTS

ABOUT ME

My interest in programming and data flourished whilst I was coding my dissertation on LaTex. More specifically, I found embedding planar networks through code incredibly fascinating. I had not been taught how to use the tool at university and enjoyed learning the use of it on my own. This led me to research more about data technologies and learn Python on Codecademy during the summer after university.

Outside of mathematics I am an art enthusiast, which resulted in me applying for a scholarship for the University of Kent's School of Arts and Culture in Paris in the summer of 2017. Remarkably, I was the only mathematics student to attend. The experience allowed me to immerse myself within a variety of different cultures and backgrounds from around the world.

The fact that working with data allows me to bring together my analytical mind as well as my creativity has ultimately determined my career choice.

Outside of academics I was a member of the University of Kent Lacrosse team. I participated in tournaments all over the UK and helped bring back two cups from the Croatia and Salou sports tours in 2014 and 2015 respectively.

CONTACT US

Kubrick Group

T: 020 3866 4620

E: consultants@kubrickgroup.com

W: kubrickgroup.com

OVERVIEW

I graduated from University of Kent with a 1st Class Honours degree in Mathematics in 2017. My dissertation was based on "Totally Nonnegative Matrices and Planar Networks". I had the privilege of being one of three people who could use a newly discovered algorithm called the Deleting Derivations Algorithm to complete my research. I was able prove a matrix is totally non-negative and following on demonstrated the ability to embed a planar network onto a plane using Cauchon Diagrams. I wrote my dissertation on LaTex and taught myself to use TikZpicture to create and draw visuals through code. The algorithm I used was invented by Professor Stéphane Launois, who was part of the panel I presented my dissertation to.

In addition to obtaining a first class honours in my degree, it was a great achievement to be on the roll of honours list for 4 modules in my final year. I learnt to manage my time appropriately and worked hard to achieve my goals and exceed expectations. I demonstrated strive, perseverance and a passion for my subject.

WORK

DATA ANALYST - KUBRICK GROUP - LONDON
January 2018 - Current
In addition to intensive learning, whilst at Kubrick I have worked in agile teams on many client projects deepening the skills I have learned. The data analytics projects which I have worked on have proven my skills in efficiently sourcing, cleansing, modelling and analysing large datasets with data stored both on-premises and cloud based. This has enabled me to deepen my analytical skills through data visualisation in: Tableau, open source Plot.ly as well as through predictive modelling Machine Learning skills using Python's SkLearn library.
Examples of value I have added to businesses include:

- Employee churn predictive analytics
- NLP analytics of unstructured survey response data
- Data driven Insurance premium modelling for product recall

PRIVATE TUTORING - HERTFORDSHIRE
October 2017 – Jan 2018
After leaving KipMcGrath Education Centre, I continued tutoring private clients who all passed their final exams.

KIPMCGRATH EDUCATION CENTRE - POTTERS BAR
July 2011 – August 2017
Teaching student's individually and in groups of up to three from key stage 1-3, GCSE and A-Level mathematics as well as dyslexic students.

EDUCATION

UNIVERSITY OF KENT – CANTERBURY - FIRST CLASS HONOURS Mathematics BSc
September 2013 – July 2017
Key modules:
Complex analysis (88%); Analysis (71%); Quantum Mechanics (89%); Mathematical Modelling (86%); Games and Networks (86%); Polynomials of several variables (90%) and Numerical Solutions of differential equations (93%); Calculus (75%); Matrices and Probability (81%); Statistics (77%); Functions of Several Variables (74%); Proof and Numbers (92%).
Technologies used within this degree included: LaTex, MATLAB, Maple.

KEY SKILLS

Data Skills:
SQL, Python, Pandas and SciPy, SkLearn, Tableau, Plot.ly
Security Skills:
Git, Security and Kerberos, SSH & Linux, GDPR
Data Warehousing:
Kimball methodology and 3NF
SDLC:
Agile & problem solving
Documentation:
LaTeX and Markdown
Soft Skills:
Presentation skills