

## Meta

**Location**  
London

**Languages**  
PowerShell, Python,  
SQL, Java, PHP

**Availability**  
30 days

**Contact**  
[abc@abctaylor.com](mailto:abc@abctaylor.com)

**Web**  
[ABCTaylor.com](http://ABCTaylor.com)

## Synopsis

### Technologist from two hedge funds with front office ambitions

I am comfortable working in busy trading environments with a *make stuff happen* attitude. I am a CFA® Exam Level I candidate and a computer scientist with a master's thesis on machine learning models for dynamic pricing strategies in retail.

## Skills

Soft	Leading and owning critical infrastructure projects, seeing work through to completion and having an attention-to-detail approach.
Infrastructure	IP network buildouts, parallel storage, API development for infra, RHEL, NixOS & Windows, containerisation and virtualisation.
Quant tech	Elementary FIX, trading systems basics, HPC scheduling solutions.
Front office	Basic understanding of asset classes, risk, pricing strategies, trade flow, compliance and the general macro economy. Some knowledge of Bloomberg, JPMM, BARX, CitiVelocity & Autobahn.

## Employment

2019-present	<b>Systems Administrator – D. E. Shaw &amp; Co.</b> I work in an international team led from New York to provide time-critical, quality infrastructure solutions to the entire firm across a broad technology stack. I deal with vendors weekly for our European infrastructure. I also handle regular and critical support requests from offices across three continents from the global technology helpdesk.
2018-19 <i>First job</i>	<b>IT Engineer – Rokos Capital Management</b> Operating at a high-pressure global macro fund, my responsibilities included firmwide infrastructure ops, morning startup, front office systems support and Bloomberg maintenance.

## Education

**Management (MLitt), University of St. Andrews (Distinction & Dean's List)**  
Ran a large survey ( $n = 2,132$ ) on Scottish people's lifestyles; fed into multilayer perceptron and Bayesian neural networks to produce a model for offline personalised pricing in retail contexts. Supervised by Prof. John Fernie, 2018. [ABCTaylor.com/thesis](http://ABCTaylor.com/thesis)

**Computer Science (BSc), Durham University (II.i with Honours)**  
Interests in networking, distributed computing, NLP and AI search. Class of 2017.

**A Levels, Ballakermeen High School (A\*AAB)**  
General Studies, Mathematics, Economics and Physics. Class of 2014.

## Leadership & Awards

St. Andrews	Dean's List for Academic Excellence
Durham	Undergraduate Faculty Rep for Science Course Rep for Computer Science Outstanding Contribution to Academic Representation award Lifetime JCR membership for software development services
High school	Deputy Head Boy, Young Enterprise winner, rugby captain

## Professional Interests

Self-hosting financial and corporate technology at home (I run a large homelab)  
Implementing highly available, fault-tolerant systems that can burst elastically  
Systematic models that utilise alternative data to price securities

## Internships & Volunteering

2017-present <i>Volunteering</i>	<b>University College, Durham University</b> Built a horizontally scalable event management system from scratch for competitive university formal dinners that sell out in around a minute. Built with HAProxy, Redis, Nginx and MySQL. The software handles thousands of guests a year. I also developed an anonymous student welfare portal. Awarded bursary & lifetime JCR membership.
2016 <i>Internship</i>	<b>Natural Environment Research Council (sponsored by BP)</b> I produced a Java GUI to help chemists automate job submissions to the university HPC for MD simulations related to clay permeability with polymer surfactants for enhanced oil recovery in wells.
2014 <i>Spring week</i>	<b>Domicilium Networks</b> Small research project at an offshore hosting facility to recommend technical options for a PaaS product the company was developing. I shadowed systems engineers and learnt about cloud networking.
2014 <i>Internship</i>	<b>Ramsey Crookall</b> Two-month middle office internship at a brokerage house, validating KYC, examining trade confirms & administering investor accounts.
2012 <i>Spring week</i>	<b>Manx Telecom</b> Placement at Europe's first 3G network, with a critical national infrastructure theme. I learnt about SS7, call flow, basic UNIX and did live production maintenance on the cellular network core.