

CV — *Last Updated 28/02/2014*

Mr Alex Cotterill-Drew

Gender: Male

DOB: 03/02/1989

Marital Status: Married

Nationality: White British

Spoken Languages: English (First Language), Basic French, Basic Cantonese

Address: 68 Bramfield Avenue, Derby, Derbyshire, DE22 3TL

Driving License: Full UK (As of November 2013)

Passport: UK Passport

Tel: 07825165071 / Skype: acdproducts

Email: acdproducts@gmail.com

Portfolio: www.acddesign.carbonmade.com

Portfolio: www.behance.net/acdproducts

GrabCad: www.grabcad.com/alex.cotterill.drew-1/projects

Article: www.develop3d.com/blog/2011/07/new-designers-2011-our-best-finds-part-two

LinkedIn: uk.linkedin.com/pub/alex-cotterill-drew/42/895/819

Salary Expectations: £ 35k+ PA (FT)

Negotiable Dependent on Benefits

Hourly Rates for Freelance Work:

Offsite — Mon-Fri 9am-6pm (£ 22 Per Hour)

Offsite — Outside these hours (£ 26 Per Hour)

Not Currently Available 'In Premises'

Rates Negotiable dependent on Project Length or Benefits

No Fees for Quotes

(33% Deposit required before work commences)

Any Travel expenditures charged

About Me:

I am a hardworking individual with a passion and deep rooted natural ability within the field of design and problem solving, as I have taught myself how things works and have a deep understanding of electronics and products. I can often be found checking technology blog sites on a daily basis (some days even 3 times) as I just have to know what is new and what advances are being made in the world of technology.

I have an ability to critically examine a product and identify its strengths and weaknesses alike. I am for my comments. I can be described as a 'Shaper' and 'Resource Investigator' when I last performed a Belbin Roles Study and this allows me to actively develop my skills and help other develop their ideas into tangible and viable products.

With a deep understanding of materials properties, I prefer using aluminium and plastics as they provide the most attractive appearance in my personal opinion, although I have worked with various materials including Steel, Iron, Bronze, Woods, Plastics, Composite Fibres and Rapid Prototyping Materials.

I solve problems visually in my mind, and always have as I have always found 3D shapes are the most comfortable to work with when compared with mathematics and data. I have always been this way and have a keen eye for dimensions and how a concept may translate into a real product once fully developed and manufactured.

My aspirations are to produce award winning designs that are used by thousands of end users, and have the chance to work abroad in Hong Kong and China, with the assistance of my wife, who would act as a Translator as she was born in Hong Kong. This is so that I am able to bring products to market faster and at a lower price enabling a higher profit margin for myself or my client/employer.

Software:

Dassault SolidWorks 2007-2014 (8 Years Experience)

Adobe Photoshop CS6 (6 Years Experience)

Adobe Creative Suite 6 (6 Years Experience)

Autodesk :

3DS Max 2008-2014

AutoCAD 2006-2014

Showcase

Alias

Studio

Sketchbook

Luxion Keyshot 4 including Animation and Advanced Materials
Cinema 4D
Some Experience in Pro Engineer Wildfire 4.0
Experienced in Rhino 3D 5.0 & RhinoGold/Emboss
Poser 7/8
Microsoft Office Suite 2006-2013
Windows and Mac Operating Systems
PSL Datatrack V3
Currently undergoing training for Delcam PowerMill and PowerShape 2014

Traditional Techniques:

Basic Sketching
Marker Rendering and Blending
Perspective Drawing
Orthographic Drawings
Drafting
Engineering Drawings to British Standards
BOM Tables
Concept Sketches
Model Making

List of Tasks Undertaken to date:

Managing Teams
CAD Design
Concept Development
Prototypes — Plastic/Metal
Visualisation — High Resolution Stills & Animations
Mechanical Linkage and Gearing Design
Airflow Concept and Virtual Prototyping
Thermal Displacement Prototyping
Design for Manufacture
Design for Rapid Prototyping
Design Rigging
Digital Prop Models
Reverse Engineering (including working parts & assemblies)
Logo and Graphic Design
Model Making
Computer Repair
Computer/Professional Workstation Builds
Software Support
Mobile Phone Repair
Data Recovery and Advice

Patent and Instruction Documentation and Illustration
Buying Advice and Technical Advice
CAD/CAM Programming
CNC Setup
Jig and Collet Specifications
G-Code Editing & Tooling Setup
Diamond and Precious Stone Setting (CAD)
Production Data Management
Organisational Structure & Design Rule creation
Lossless CAD Format Conversions (any format)
Image editing/touch-ups and colour changes
Data Management and Backup Administration

Employment History

Company Director July 2004 — Present

ACD PC Upgrades

I began my own computer repair and upgrade business at the age of 15 providing low cost repairs in people's homes, as well as for many friends and family. I was self-taught with many of my skills coming from in depth research and friends in the Industry.

I also branch out into repair of mobile phones and portable computers and media devices, so I understand a lot about what makes them work and the internal designs of products.

I also provide a graphic design service and have had clients from Supermarkets, Caterers, Hairdressers and even Personal cards for a clients' Son's birthday.

Trainee Designer August 2006 - December 2006

The Image Works

I was responsible for designing, printing and cutting various vinyl signs for motorbikes, vans and cars, as well as general housekeeping duties and answering telephone calls and taking online orders.

During my employment I handled some exotic superbikes, as well as old rusty vans, so there was never a day that was the same.

Relief Manager September 2007 — August 2010

William Hill Bookmakers Org.

Starting as a trainee customer service agent I was responsible for taking bets and advising clients about betting opportunities and new products, as well as help new customers to use the Fixed Odds Betting Machines (Roulette), as this was around 80% of the business.

After many training courses and placements I trained to be a Manager and was responsible for the day to day running of over 20 Shops in the Midlands, including Derbyshire and Nottinghamshire.

The day to day tasks were anticipation of money requirements, stock levels, training other members of staff, securing cash and handling large amounts of money on a daily basis. Another role was to provide balanced staffing levels to all Licenced Betting Offices in the area by distributing staff and managing employee time off.

On many occasions I was responsible for managing some of the busiest shops in the region and working alone for more than 8 hours a day. This involved some shops that had a weekly turnover in excess of £ 21,000 (Over £ 1 million per year).

Deputy Manager August 2010 — February 2013

Mings Court Cantonese Takeaway

I previously ran a busy takeaway in South Derbyshire with my fiancé whom speaks both Cantonese and Mandarin, taking care of day to day duties such as stock ordering, cooking & packing meals.

I spent a large portion of my time answering phone calls and serving customers, delivering excellent customer service at all times.

My roles included management of staff and communicating with some staff with very limited English, so I have inevitably learnt a small vocabulary of Cantonese relating to the Fast food industry.

Lead CAD Designer August 2011 to Present (2 Years 5 Months)

Jones & Bowen Ltd

I use Dassault Systems SolidWorks to create 3D Models of luxury products including Swiss Timepieces, Men's Accessories, Writing Instruments, Retail Packaging, Display Cabinets, Automotive parts and more. These models are to evaluate the form, fit, and function of the design and allow me to intuitively make changes to quickly develop a product from concept to design and then manufacture.

I am also able to evaluate the correct materials and manufacture processes that should be used to ensure the product is cost effective to produce and market by applying my experience in the Industry. All elements of the design process can be communicated using 3D data, High Definition Renders, Animations and by producing plastic or metal prototypes. I also have a lot of experience in model making and plastic fixtures and internal structure design from years of repairing computers and mobile phones and other electronic items.

Working with bespoke jewellery products and multi-national clients are all within day to day tasks, Providing support and direction for brands and developing products that meet their brief and can be manufactured to a good quality.

Update — November 2013

As of November 2013 I have been placed in a Training and Development Role in a company 'NuvoHouse' in Birmingham, a Manufacturer of Luxury products in precious metals. Here I am undergoing training to develop and implement a streamlined production infrastructure within the business. I will also be undergoing training to be capable of programming CNC operations on 4 axis, 5 axis and Laser machines. This development will enable me to effectively design products to be manufactured effectively and also push the limits and capabilities of the machining team. This is a Joint Venture between both Jones & Bowen and Nuvohouse with my role being pivotal in communication between design and production of Superlative Luxury Products.

www.nuvohouse.co.uk

Previous & Existing Clients I have worked with include:

Manjaz of Switzerland (Swiss Horology)

Saudi Royal Family (Luxury Objet D'art)

Gronefeld (Horology)

Hyundai (Automotive)

Maitres Du Temps (Swiss Horology)

Colibri USA/Europe & Firebird (Luxury Accessories and Smoking Products)

Andrew Marc NY (Watches)

XiN (Luxury Jewellery)

Screwtime (Swiss Horology)

Praemen (Luxury Lifestyle Products)

Bosch (Gardening Equipment)

Various Private Clients (Watches, Luxury Goods, Design and Graphics)

Qualifications

GCSE

Ilkeston Grammar School

A* English Language

A English Literature

CC Science (Double Award)

C Mathematics

A Graphic Products

A Resistant Materials

A Geography

E French

A-Levels

Ilkeston Sixth Form College

Product Design

Geography

General Studies

Media Studies

Further Education

University of Derby

Product Design (Bachelor of Honours BA)

August 2007 — June 2011

Graduated with 2:1 Second Class Higher Degree with Honours

Other Qualifications/Awards

Duke of Edinburgh Award Bronze

Duke of Edinburgh Award Silver

Grobb Tutor Pilot Training Pass (2 Seater Aircraft)

Food Safety and Hygiene Level 2

Swimming Proficiency Test

SA-80 Rifle Proficiency Test

Fire Safety & Rescue Training

Hobbies and Interests

Inline Stunt Rollerblading

Graphic Design

Repairing Products

Eating Out

Reading about Technology

Films and Cinema

Music

Flying