

Ruby Childs

904A Bedford Avenue, Apartment 3A, Brooklyn, New York, 11205

Mobile: 347 399 4529

Email: Ruby.Childs1@gmail.com

EDUCATION

Sep 2012 - Present : Hacker at Hacker School, New York (Sponsored by Etsy)

This is a school which is to improve your programming skills by doing the projects you want to do and learning what you want whilst having supporting programmers to help

Languages and Libraries: Java, C++ and OpenCV, Scala, Python, Matlab

Operating Systems: Linux, Windows7

Projects: - Furthering the Painting Fool's vision abilities to include emotional awareness

- OpenCV and Android for image analysis on the go, in C++
- Improvement of the evolutionary program Kandid, in Java
- Transformation of image of text into actual text using Matlab
- Network Analysis of Facebook using Python and Gephi
- Learning Scala and Python via Coursera

Sep 2011 - Sep 2012 : MSc Computing Science, Merit, Imperial College London

Modules: Computer Systems, Object Oriented Design and Programming, Logic and AI Programming, Algorithms, Graphics, Machine Learning, Robotics, Ludic Computing

Languages and Libraries: C++, Java and Swing, Matlab, Prolog, OpenGL, ImageJ, WEKA

Operating Systems: Linux, Windows7

Projects: - Computerised backgammon applet using Java. Involvement predominantly in UI design.

- "Learning and Applying Classifiers for the Visual Arts": Working on developing the Painting Fool to have its own style and acknowledge other artists as a form of influence. Image Analysers written in Java from first principles and use of Weka for classification purposes. This is leading to a **publication within IEEE**

Aug 2010: CISI Level 3 Certificate in Investments Securities and Derivatives

Sep 2007 - Jun 2010: First Class BSc (Hons) in Mathematics, Queen Mary, University of London

Modules: Calculus, Geometry, Algebra, Differential Equations, Mathematical Writing, Complex Variables, Algorithmic Graph Theory, Statistics Modelling, Statistical Theory, Probability and Time Series, Design of Experiments, Mathematical and Actuarial Finance, Economics for Business

Programs: Minitab, Genstat.

Awards: Cambridge Long Vacation Scholarship, Helen Maurice Award for 2nd year results, Drapers Award for Course Representative positions

Sep 2006 - Jun 2007: Merit in ABC, Level 3 Diploma in Foundation Studies (Art and Design), Central Saint Martins College of Art and Design

Jan 2002 - Jun 2006: A-levels - Maths B, Art A, Psychology B Blatchington Mill Sixth Form

GCSEs all A* - C, inc. Maths, English, Double Science all A grades and Art A* - Blatchington Mill School

EMPLOYMENT

Aug 2010 - Nov 2011: RBS GBM Graduate scheme - High Yield Bond Strategist

- Analysed and modelled financial reports to determine credit worthiness of a company and whether the bonds were traded at an expected level or if there was an arbitrage opportunity.
- Used both company reports, external credit reports by Moodys and S&P as well as more specific Covenant reports to ensure thorough analysis.
- Dealt with the arrangement of client meetings to ensure HY Strategy was encouraging clients understanding and helping them with their business and to make the best decision for them.
- Worked with compliance to deal with changing regulations within Credit and specifically within the Research and Strategy department.

Programs: Microsoft Word, Excel, PowerPoint, Outlook, Bloomberg on a day-to-day basis.

Nov 2009 - Jun 2010: Careers Group, University of London - Marketing Representative

- Worked on increasing the Careers Group presence on social networks, which led to an increased number of participants in events. This allowed me to a greater understanding of targeting events to the appropriate, relevant audience.

June 2007 - Sep 2007: Domestic and General - Telesales agent (F/T vacation work)

- Worked on two campaigns, one of which I assisted in setting up and gaining the contract. I worked well with client requirements to develop an effective campaign

INTERESTS AND ACTIVITIES

- Arduino programming: Self taught out of personal interest into world of robotics
- Retro and Indie Gaming: Attended EuroGamer and Dare to be Digital (BAFTA event for Games design)
- XING business competition winner and FLUX participant representing Queen Mary
- Interest in the startup world particularly technology companies which has led me to be involved with Silicon Roundabout events, SVC2UK, and Imperial Digital Enterprise Accelerator
- Study China 2009: Studied Mandarin in Shandong University also learning about the traditional culture
- Animé: Great interest in anime in both the style of manga and the meaning of the stories
- Exhibitions and art galleries: Recent visits include Robotville, Miro, London Art Fair, Pick Me Up, Kinetica Art Fair

OTHER

Github: RubyChilds *(Please note not all work is on Github, but on a private depository)*

The Painting Fool: <http://www.thepaintingfool.com>

Hacker School: <https://www.hackerschool.com>

Kandid Art Evolutionary Programme: <http://kandid.sourceforge.net>