

Curriculum Vitae - Naomi Bassett

E-mail: na.k.bassett@gmail.com

Telephone: 07891167358

Website: www.nabassett.co.uk

Education

Imperial College London

2012 - 2016

Course Title: MEng (Hons) Computing, First Class Honours

Favourite Modules: Machine Learning, Logic Based Learning, Computer Vision, Computational Techniques, Intro to Artificial Intelligence, Human Centred Design, Software Engineering Design

Award	Reason for award
President's Undergraduate Scholarship (2014-2016)	Awarded to those who demonstrate the highest academic excellence and potential. Awarded in third and fourth year
Deutsche Bank Prize (2013)	Awarded for producing one of the most outstanding group projects in Topics in Computing. Took position of group leader. Awarded in first year
Rector's Scholarship (2012-2014)	Awarded for demonstrating the highest academic excellence and potential. Awarded in first and second year

Hills Road Sixth Form College, Cambridge

2010 - 2012

A Level Results: Computing A*, Mathematics A*, Further Mathematics A*, Physics A*

AS Level Results: Computing A, Mathematics A, Further Mathematics A, Physics A, Spanish A

Award: Prize for Academic Excellence (2012). Awarded for achieving more than 3 A*s at A Level

Experience

Brevan Howard Asset Management (London, UK)

Quantitative Developer

April - September 2015

Intern in the Quantitative Risk team of the hedge fund Brevan Howard. Implemented a web proxy service (written in Java and Scala) to send requests to an external risk analysis service RiskMetrics. The service provides various task scheduling functionalities to allow ad hoc use by multiple risk officers.

Dance Imperial (London, UK)

Brand Manager, Co-founder

Summer 2014 - 2016

Elected Brand Manager and founding committee member of a new venture, Dance Imperial, designed to unite all the separate dance societies of Imperial College. Responsible for building, launching and maintaining the website (www.danceimperial.org), designing publicity materials to promote workshops and shows, and liaising with affiliate dance societies.

Award: Recreational Clubs Committee Colours Award. Awarded for contributions to the collected dance societies of Imperial

Microsoft Research (Cambridge, UK)

Software Engineering Work Experience Placement

August - September 2012

Implemented an application to display network maps based on connectivity information for use by members of the department (written in C#). Worked on a Tweet Sorter trained on previous tweets about Microsoft to classify new tweets into discrete categories (written using R).

Technical Skills

Languages: Java, Python, Matlab, C++, C#, Scala, Ruby, HTML/CSS, Pascal

Operating Systems: MS Windows (XP, Vista, 7, 8, 10), Linux (Ubuntu, Debian)

Projects

Deep Human Pose Estimation in the Wild (Individual Project)	Investigated the use of different machine learning techniques to detect, and estimate the 2D pose of human arms in unconstrained image data. Implemented a pipeline of methods including Deformable Part Models, Active Appearance Models and Model-free Trackers to localise landmarks on the arms and then track them through video. Languages: Python, Matlab
RadiCalc (Group Project)	A web based e-learning/social networking platform designed to encourage discussion and debate between staff and students. Responsible for front-end development and design. Languages: Ruby, Javascript, HTML/CSS, PHP, SQL
The Dinosaur Hat Saga (Group Project)	An online RPG wherein the user plays as hat-wearing dinosaur in an enchanted forest, battling monsters and completing quests for wizards. Responsible for designing all game content. Languages: Javascript, HTML/CSS, PHP, SQL

Interests and Activities

Computer Science: Attended events including Microsoft's Think Computer Science 2010 and The Alan Turing Education Day 2012 at Bletchley Park.

Japanese Culture: Studied post-A level Japanese.

Volunteer work: Went to Ghana with Global Brigades in 2013 to build water supplies and educate children about safe water use. Volunteering with Global Vision International in November 2016 on a women's empowerment project in Kerala, India

Music and Singing: Achieved Grade 8 Piano (Distinction), Grade 5 Music Theory (Merit) and Grade 4 Cello (Merit). Was a member of several choirs including The Junior Girls Choir of the British National Youth Choir Association.

Dance: Member of Imperial College's Hiphop dance crew, FuNKoLoGy. Undertook classes in hiphop, tap dance, street jazz and breakdance and participated in performances in public theatres.