
Education

Ph.D. Mathematics. (In progress) **Sep 2011 to Present**
Queen Mary University of London
Noncommutative Algebraic Geometry, under the supervision of Professor Shahn Majid.
See blog at <http://mebassett.blogspot.com>.

MSci Mathematics with Theoretical Physics. **Sep 2007 to Jun 2011**
University College London
Quantum Statistical Mechanics and Galois Theory, under the supervision of Professor Minhyong Kim and Dr. Javier López Peña.

Employment

Universal Pictures International (London, UK) **Nov 2010 to Present**
Research Assistant

- Helps optimize the product release strategy in a multi-billion dollar market by developing analytics software.
- Creates market models and forecasts using statistical techniques (e.g. Monte Carlo methods) implemented in Python, Lisp.
- Enables business analysts to interact and draw conclusions from said models by designing iPad apps.
- Improves data collection and retrieval for other employees by developing web/database applications in Python, Javascript, and HTML5.

Sneffel.com (London, UK) **Sep 2009 to Sep 2010**
Startup Founder

- Allowed students and users in different locations to collaborate in real time with a Virtual Whiteboard built in PHP, Websockets, and HTML5.
- Earned media attention from a variety of blogs after actively promoting the application.
- Made sales calls to educational institutions to sell the aforementioned product.

gegn corp (Colorado Springs, Colorado, USA) **Jul 2004 to Sep 2009**
Web Developer, Consultant/Freelancer

- Consulted with clients to plan and design web applications suited to their needs.
- Built applications in PHP and MySQL using a variety of third-party APIs.

Other Experience

UCL Undergrad Maths Colloquium (uclmaths.org) **Jan 2010 to Mar 2011**
Founder and Organizer

- Started a weekly mathematics seminar for as many as 50 undergraduates from 5 different London universities.
- Led undergraduates in researching, writing, and delivering talks on mathematical topics, e.g. p -adic numbers, algebraic topology, modular forms.
- Trained a leadership team to continue running the Colloquium after I stepped down.

UCL Transition Programme **Jan 2009 to Mar 2010**
Mathematics Transition Mentor and Peer Assisted Learning Tutor

- Tutored students in first year courses in analysis, algebra and applied mathematics.

Zurich Financial Services (Colorado Springs, Colorado, USA) **Jun 2009 to Sep 2009**
Summer Intern

- Developed applications for claims and HR data management in Microsoft Access/VBA.

CEA Islington/Ashmount Primary School **Jan 2008 to Mar 2008**
Maths Tutor

- Tutored 6 gifted & talented pupils twice a week in mathematics problems and lessons.

CiviCore, LLC (Denver, Colorado, USA) **Nov 2006 to Mar 2008**
Web Development Intern

- Programmed database/internet applications in ColdFusion, Adobe Flex, and MS SQL Server.

Talks & Presentations

Fun and Games with X and f : Topological Dynamics and Ergodic Theory **Feb 2011**
UCL Undergrad Maths Colloquium

Noncommutative Geometry and Hilbert's 12th Problem **Oct 2010**
UCL Undergrad Maths Colloquium

Integrals, L Functions, Prime Numbers **Mar 2010**
UCL Undergrad Maths Colloquium

General Topology and the Quotient Space, *With Nadine Amersi* **Feb 2010**
UCL Undergrad Maths Colloquium

Awards & Misc

UCL Global Excellence Scholarship **Dec 2007**
AP Scholar with Distinction **Jul 2005**
Eagle Scout Rank, Boy Scouts of America **May 2005**

Competitive Mountain Biking (3rd Place, Mountain States Cup Series 2007)
Typesetting in \LaTeX .
Member, Hacker News London Meetups.