George Whewell

georgerw@gmail.com
London, UK
Software Developer

DEGREE

Bachelor of Science, Second class honours, upper division
Physics and Astronomy
University College London, graduated June 2011

COMPUTER SKILLS

Core Languages: Python, Javascript

Software & Frameworks: MySQL, PostgreSQL, Google App Engine, Amazon AWS, Django, Tornado, RabbitMQ, ElasticSearch, Varnish, Apache, NGINX

Operating Systems: Linux, OS X, Windows

EXPERIENCE

Contract Software Developer June 2015 — October 2015

- Supplied custom CRM for major UK media group capable of holding millions of profiles using hybrid PostgreSQL/ElasticSeach data store

Senior Backend Developer August 2011 — June 2015
Beyond Digital — London/San Francisco

- Spent eight months in San Fransisco supporting digital creative team as first US backend team member
- Supported YouTube *Carnaval* Project in Salvador, Brazil by coordinating work with London team and implementing post-launch adjustments. Scaled from 0 to over 400k concurrents in minutes (Python/Django/App Engine)
- Architected and implemented backend systems for Virgin.com with a real-time user-tracking and content recommendation engine (Python, Tornado, ElasticSearch)
- Coordinated with internal Google teams to build a prototype 3D-scanning application (Python, Tornado, AngularJS)
- Developed second-screen presentation platform allowing audience members to follow a presentation on their mobile device in real-time for high-profile sales event (Python, Django, App Engine)

Product Validation Team (Internship) June 2010 — October 2010
Icera Semiconductor Inc (now *Nvidia*) — Bristol, UK

- Performed and developed performance regression and functional tests for mobile chipset firmwares
- Automated test suite, from uploading new firmwares to producing reports and charts
- Documented and filed detailed bug reports, obtained core dumps and tracebacks for bugs

Developer (Non-staff) June 2008 — October 2009
Jomoto Industrial Automation Inc. — Coventry, UK

- Fixed bugs in Visual Basic industrial automation package for building prefabricated houses
- Added new outputs showing additional information for display on factory floor

EDUCATION *University College London*

- Achieved 2:1 degree class in Physics and Astronomy, scoring especially well in technology-related modules (93% in Scientific Computing using Object Oriented Languages – Java)
- Wrote a passenger simulation for arbitrary urban transit systems in order to model congestion as my contribution to a group project
- Implemented Inverse Abel Transform image pipeline in Scipy/Numpy to reconstruct 3-D experiments from 2-D projection as part of tutored research

King Henry VIII School

- A-levels in Maths, Economics, Computing, Physics
- 9 A-grade GCSEs

REFERENCES Available on request