George Whewell

georgerw@gmail.com
London, UK

Experienced software engineer with a wide range of skills. Passion for learning new technologies and and finding innovative and efficient solutions to problems.

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 pre-fabricated 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