Thomas Wilding

CONTACT

tomwilding72@gmail.com
www.thomaswilding.com
0797-647-6687

1 Chaucer Mansions
Queens Club Gardens
London

EDUCATION

MEng. in Computing, with First Class Honours
Imperial College London, 2014.
Masters Thesis: *"Modelling and Prediction of Multiple Epidemic Phenomena"*

Bachelor's in Computing, with First Class Honours
Imperial College London, 2013.

PROFESSIONAL EXPERIENCE

Accenture - Analyst Software Engineer   September 2014 - Current
Developed a reusable framework which enables rapid creation of integration services, using the latest Enterprise Integration technologies.
Key development role within an Agile team. We delivered APIs to a large telecommunications company through weekly code drops (Using the framework that we developed).

Amadeus - Intern Software Engineer   April 2013 - September 2013
Redesigned an existing application within the Departure Control System and gained experience of working in a Software Development company.

DB Consulting - Systems Developer   June 2012 - September 2012
Gained an initial insight into working as a software engineer, including functional testing within a team and taking certifications.

COMPUTING EXPERIENCE

Java
Wide range of experience implementing Java across multiple Enterprise systems.
C
Developed a basic OS alongside C programming courses.
C++
One of my favourite languages, I have programmed numerous C++ projects including graphical rendering systems and simulations.
Haskell
Implemented a Compiler and a series of functional programs in Haskell.
SQL
Studied relational algebra and SQL in various database modules.
Web
Created numerous web applications using the latest JavaScript frameworks, CSS and HTML. Awarded the IBM group project prize for a concurrent, real-time web application. Experience using Angular, Node, JQuery, Bootstrap and other web frameworks.
Other
Prolog, Perl, Scala, Android (Java), IOS (Swift and C#), Unity (JS and C#), MuleESB, Code management tools such as Git, Jenkins, CI.

PROJECTS

Integration Framework
Created a reusable framework that enables rapid creation of standardised integration services. This project required full stack development and resulted in a extensible and reusable asset which significantly decreased costs and time to create integration services, while simultaneously enhancing consistency across different implementations and also code quality within each implementation.

Integration Delivery for a global Telecommunications Company
Part of an agile team delivering APIs through weekly code drops, this was an aggressive delivery schedule that was only feasible through the use of our previously developed Integration Framework.

Real-Time white-board
I was awarded the IBM group project prize for my second year group project, called Scribboard, which is an application that enables multiple people to collaborate through drawing and other multimedia.

Other Projects
Many other projects in different computing domains such as Machine Learning, Robotics, Parallel Computing, Pervasive Computing, Parallel Algorithms, Simulation and Modelling, Graphics and Software Reliability.

PUBLICATIONS

Uncertainty in On-The-Fly Epidemic Fitting
Thomas Wilding, Roxana Danila, Marily Nika and William J. Knottenbelt. Computer Performance Engineering, Lecture Notes in Computer Science Volume 8721, 2014, p.135-148, Springer International Publishing.

Going Multi-viral: Synthedemic Modelling of Internet-based Spreading Phenomena
Thomas Wilding, Marily Nika, Dieter Fiems, Koen De Turck and William J. Knottenbelt. Valuetools, 8th International Conference on Performance Evaluation Methodologies and Tools, p.50-57 2015, ICST, appears in ACM.

ADDITIONAL SKILLS
Grade eight guitarist.
UK car driving license.
Interested in obtaining my Private Pilots License.