

Bryan Quirke

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PERSONAL PROFILE

I am a hardworking, flexible, enthusiastic, natural problem solver from an agricultural background. I take pride in my leadership abilities and get great satisfaction in hitting tight deadlines under pressure.

SKILL HIGHLIGHTS

- Excellent organisation and time management skills.
- Target driven.
- Strong project management skills.
- Natural Language Processing and Graphics/Vision.
- Extensive experience with Virtual Machines (VirtualBox, VMWare Player)
- At ease using Eclipse and Pycharm IDE's

Proficient in	Working knowledge of
Java	Amazon Web Service Infrastructures
JavaScript/CSS/HTML	Spring
Python - Extensive scripting, web scraping and web applications with Flask	Gradle
SQL - MongoDB (FYP), PostgreSQL(Work), MySQL(Personal Projects)	Thymeleaf
Intermediate Linux commands	C/C#/C++

EXPERIENCE

Software Engineer at VisibleThread

May 2016 – Present

- Part of the engineering team that develops VisibleThread's novel tools for Risk, Compliance and Quality Control in the Contract procurement and marketing sectors.
- Sole developer of core features for 3 different releases since January 2018. Implemented Excel Compare ([VT Docs 3.1](#)), [LIX](#) Readability Scoring for non-English documents and Localization of the VT Docs tool.
- Part of a 4 person support rota for all of the VisibleThread tools. Comfortable responding to both ZenDesk tickets and Intercom messages. Had to show agency and patience in all correspondences as well as show clarity when explaining technical concepts.
- Developed JMeter load tests and performed JVM diagnostics with JProfiler.
- Creating On-Premise deployments of our tools. These are used by customers who choose to run their VT environments in [SCIFs](#). Responsible for the testing and stability of these appliances.
- Responsible for the company's test API AWS instances. This includes maintaining 3 processes with full scaling groups, IAM roles, security groups and load balancer.
- Running demos at our user conferences ([Blog post here](#)) and contributing to VisibleThread's blog.

Groom at J.S Bolger Horse Trainer

May 2013 – April 2016

- Main responsibility was the care and preservation of all the horses' wellbeing.
- I was part of a 5 person team tasked with the breaking of fresh yearling horses and preparing them to be trained as race horses.
- Gallop maintenance.
- Representing Mr. Bolger and the organisation at race meetings or when carrying out tasks outside of the yard.

Intern at Granite Digital**June 2011 – July 2011**

- One of the top 5 digital agencies in Ireland. Their clients include Enterprise Ireland, Barry's Tea, Pfizer, UCC, UCD and Timberland.
- Worked as part of the digital team on activities including SEO, content writing, blogging and social media promotion for clients.
- Developing strong client relationships was central to all activities.

EDUCATION**BA (Mod) Computer Science****2013-2017**

Trinity College Dublin

First Class honours achieved.

Leaving Cert**2007-2013**

Castlecomer Community School, Kilkenny

Honours achieved in all subjects studied.

INTERESTS

- Cryptocurrency and the blockchain. Currently hold crypto assets on multiple exchanges.
- Maintaining a steady personal herd of cattle on my home farm. This includes the buying and selling of cattle annually. Budgeting for labor and resources consumed is integral. (i.e Fodder, man hours, fertilizer used in revitalizing land).
- Enjoy learning new languages and solving number theory problems on Project Euler mostly using Python (<https://projecteuler.net>)
- Knowledgeable in PC Hardware - built and maintained several custom PCs.
- Attending as many tech event talks as I can.
- Travelling - Interrailing around Europe over the summer of 2015 and 2-3 weekend getaways per year.
- My hobbies include – Poker, Reading, Running, Computer Gaming and Web design.

BOOKS BEING READ

- Python Machine Learning: Machine Learning and Deep Learning with Python, scikit-learn, and TensorFlow, 2nd Edition by Raschka, Sebastian.
- The Given Day, novel by Dennis Lehane

PROJECTS**Cryptocurrency Portfolio****April 2017-Present***Personal Project (GitHub and returns available upon request)*

- Data Analysis – pulling hourly prices from online API and sorting data (MySQL).
- Risk Analysis – Implementing Modern Portfolio Theory through Python (numpy, pandas, matplotlib, scikit learn, cvxopt).
- Machine Learning - Analysis of daily news articles/tweets using sentiment analysis and predictive analysis using regression/classification models through Python.

The Rumour Mill*College Final Year Project (GitHub available upon request)***January 2017 - May 2017***A study of NLP and Machine Learning Methods to detect rumourous messages in online publication and social media*

- Natural Language processing - NLTK for NLP specifically tokenisation of tweets.
- Entity extraction - Using Stanford Named Entity Recognizer (NER).
- Interfaced with Twitter and the Guardians API.

Reference: Robert Carpenter
Director, Granite Digital
087 953 0159