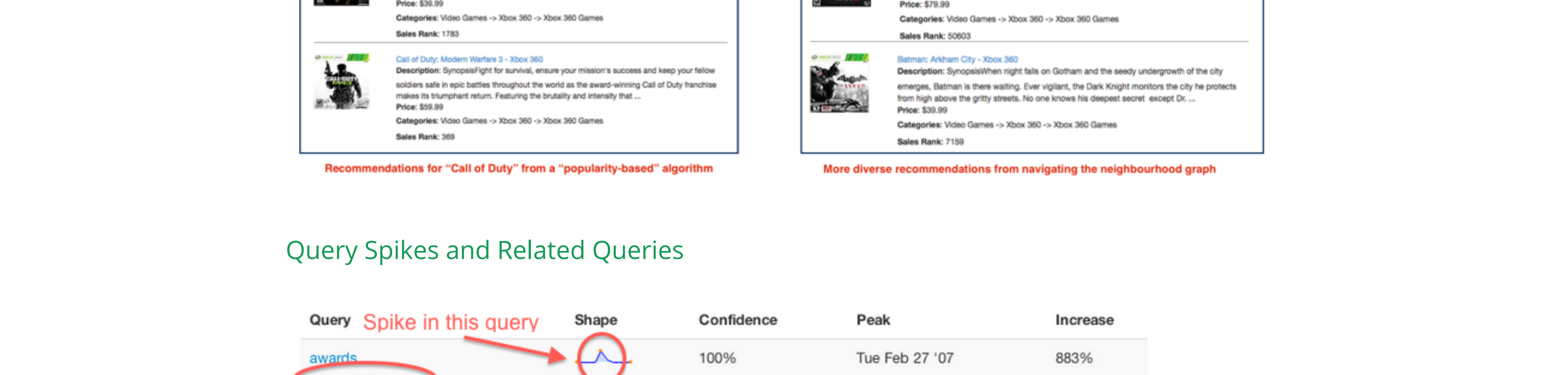
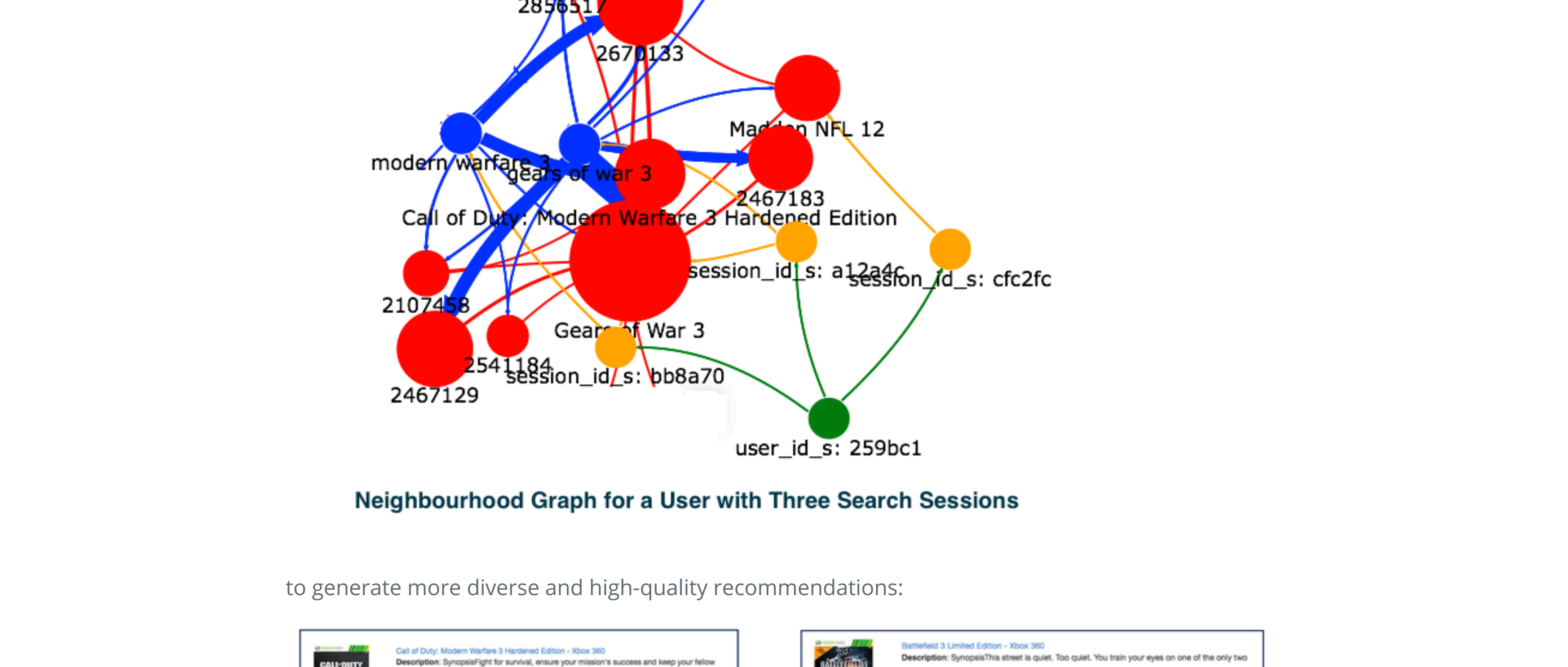


# Francis Crimmins

Combining ideas from the research and open source worlds to create new products & systems.



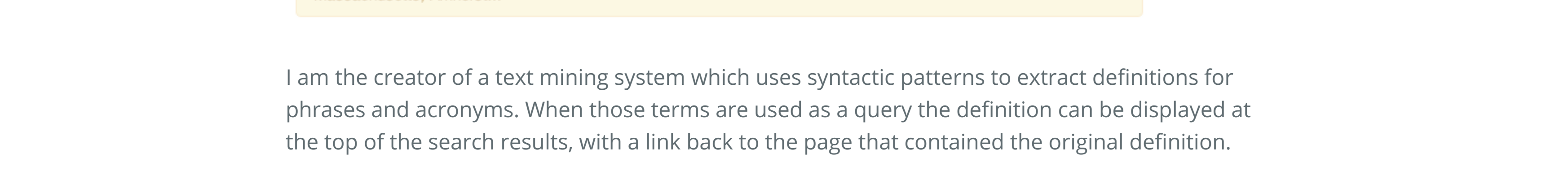
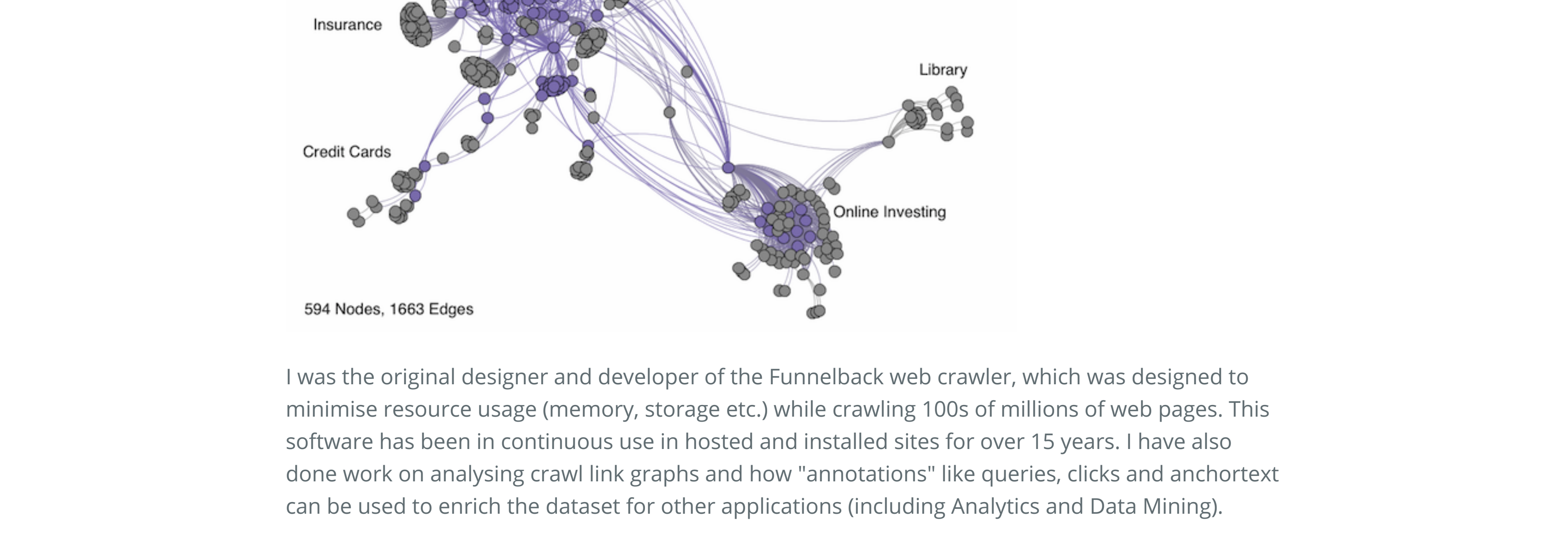
I was the original designer of the Funnelback "Pattern Analyser" system. This can detect spikes in the time series query log data, where these spikes are usually caused by some external event (e.g. a news story). I also designed and implemented a system to automatically detect related queries, based on their click patterns. This can be used to group queries which have no terms in common but have the same semantics.



Example visualization of a web crawl:



Administration



## Key Skills

- Information Retrieval & Search
- Data Mining
- Analytics

- Project Management
  - Java
  - Python
  - JavaScript
  - Solr and Elasticsearch
  - Spring, Spring Boot
  - Vue.js
  - Automated Testing
- ## Education
- M.Sc. in Information Retrieval, [Dublin City University](#) (1996 - 1998)
  - B.Sc. in Computer Applications (1st class honours), DCU (1992 - 1996)
- ## Contact
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- This is a personal site and does not necessarily reflect the views or opinions of any of my previous employers or organisations I have done contracted development for. Details on example systems shown above refer to publicly available information from the official documentation sites for companies such as [Lucidworks](#) and [Funnelback](#).