

Daniel Keane Kelly

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<https://github.com/Sharkgrammer>

SUMMARY

Final Year Business Information Systems student in UCC. Self-driven, independent developer who values autonomy in work and enjoys solving problems in creative ways.

TECHNICAL SKILLS

Programming Languages

- Proficient in Java, Python, C#, PHP, Web Dev, Vb.net

Technologies

- Database: Microsoft SQL Server, Microsoft Access and MySQL
- General: Microsoft Products, ServiceNow, Regex, Git and Android

EXPERIENCE

College Tutor

Sept 2019 - Current

University College Cork.

- **Third Year Business Information Systems:** Java and DevOps Tutor.
- **MSc BIAS and MSc CyberRisk:** Python and Prescriptive Analytics Tutor
- **First Year Business Information Systems:** Business Systems Analysis and Visualisation Tutor

Software Development Intern

Mar 2019 - Aug 2019

State Street

- Worked within the 'Software Development and Maintenance' team in State Street (Edinburgh) as part of BIS placement.
- Undertook 4 projects and a Placement-Wide Intern project. My work included:
 - Translating a legacy program into a new .net language (C#)
 - Fixing vulnerabilities in a cloud application
 - Building a user-friendly GUI for a MS Access database
 - Building widgets on a new platform ('ServiceNow') for the IT Service Desk
 - Interviewing employees and building an application to graph survey responses

Project Lead / Head Developer

Oct 2017 - Dec 2018

"Chance It" Android startup, not released

- Built through Java with a PHP backend, connecting to a MySQL database.
- Codebase maintained on a Git service for free private repository hosting.
- Never published due to sponsor, regulatory and other issues.

Food Preparation

Sept 2016 - Dec 2018

Hillbilly's Fermoy

- Prepared food used throughout the day based on previous stock levels
- Opened and setup the kitchen in the mornings
- Completed Manual Handling and Food Safety Training (HIPAA)
- Trained my replacement

EDUCATION

Business Information Systems

Sept 2016 - Current

University College Cork

- Final Year Student.
- Second Class Honours, Grade 1 in each of the previous three years.
- Developed a Final Year Project around a Secure Messaging Platform, based on onion routing protocols. It focused on three core principles, security and privacy, user accessibility and developer accessibility.

Second Level Education

Sept 2010 - June 2016

St. Colman's College Fermoy

- Received 470 points in the Leaving Cert
- Chosen as a Prefect in the final year
- Non-General Subjects: German, Accounting, Economics, Applied Maths, L.C.V.P

ACHIEVEMENTS

- Published a Notification Reading application to Google Play Store ("Android Assistant – Notification Reading App")
- Lived and worked in Edinburgh for six months as part of BIS Placement
- Elected as Academic Representative for my year group in Year Two of BIS
- Learned how to operate and fix a 3D printer without any prior knowledge.
- Participated in Googles Hash code in three years. Didn't finish the first time, the second time came 15th in Ireland in the extended round and the final time participated alone and came 43rd in Ireland. .

PROJECTS

- [Secure Messaging Platform through onion routing via a secure protocol I wrote](#)
- [Android Notification reading application](#)
- [Python web application on Django for scraping BIS3 internship data](#)
- [Android and Desktop syncing notes application](#)
- [Python Cryptocurrency web scraper](#)
- [Chocolate website Java Servlet project for college](#)

OTHER INTERESTS

- Shark research
- Artificial Intelligence and System Design
- Board games and video games
- Cooking and baking
- Algorithm design and their applications in our lives

REFERENCES

Available upon request