

# Daniel Keane Kelly

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<https://github.com/Sharkgrammer>

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## 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.

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## 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

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## 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

### 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
  - 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

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## EDUCATION

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### Business Information Systems

Sept 2016 - Current

*University College Cork*

- Final Year Student.
- Second Class Honours, Grade 1 in each of the previous three years.
- Developing a Final Year Project around a Secure Messaging Platform, based on onion routing protocols.

### 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

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## ACHIEVEMENTS

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- 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 two separate years. Didn't finish the first time, the second time came 15<sup>th</sup> in Ireland in the extended round.

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## PROJECTS

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- [Android Notification reading application](#)
- [Python web application on Django for scraping BIS3 internship data](#)
- [Android and Desktop syncing notes application](#)
- [Python Cryptocurrency web scraper](#)
- [Python Search command for the command line](#)
- [Chocolate website Java Servlet project for college](#)

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## OTHER INTERESTS

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

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## REFERENCES

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Available upon request