

# Daniel Keane Kelly

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<https://github.com/Sharkgrammer>

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## SUMMARY

Graduating from Business Information Systems in UCC in August. 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

### Entrepreneur

April 2020 – Present

- Accepted into the IGNITE program based in UCC
- Working as the technical lead/founder in the startup.

### College Tutor

Sept 2019 – Mar 2020

*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.

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## EDUCATION

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### Business Information Systems

Sept 2016 – August 2020

*University College Cork*

- Graduating with a First Class Honours.
- Modules taken in final year include interaction design, security and mobile design.
- 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

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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 three years. Didn't finish the first time, the second time came 15<sup>th</sup> in Ireland in the extended round and the final time participated alone and came 43<sup>rd</sup> in Ireland. .

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## PROJECTS

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- [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](#)

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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