

# Daniel David Buckley

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## Summary

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Student in fourth and final year studying a Bachelor of Science (Honours) in Computing in the Institute of Technology Tallaght. Interested in anything to do with the Software Development aspect of the computing industry. Designed and completed multiple projects throughout my college career and professional career. Proven record of completing projects on-time. Seamlessly manages workload to meet deadlines and producing efficient code. Always trying to improve my abilities as a developer and as a person in general.

## Education

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### Bachelor of Science (Honours): Computing Institute of Technology Tallaght

**Third Year:** Algorithms and Data Structures 1 (**B+**), Web Design & Development 2 (**B+**), Advanced Databases (**B+**), Operating Systems (**B**), Innovation & Entrepreneurship (**B**), Cloud Services & Distributed Computing (**B-**), Industry Project (**B+**), Work Placement (**PASS**)

**Second Year:** Management Science (**A**), Networking 2 (**A**), Software Development 4 (**B+**), Project (**B**), Information Security (**B**), Object Oriented Analysis & Design (**C**), Discrete Mathematics 2 (**A**), Networking (**B+**), Software Quality Assurance & Testing (**B+**), Software Development 3 (**B**), Web Design & Development (**B**), Database Design & Programming (**B**)

**First Year:** Social Media Communication's (**A**), Database Fundamentals (**B+**), Software Development 2 (**A**), Statistics (**B**), Object Oriented System Analysis (**B**), Operating System Fundamentals (**C**), Learning to Learn at 3rd Level (**B-**), Software Development 1 (**B+**), Computer Architecture (**B**), Discrete Mathematics 1 (**B**), Business & Information Systems (**C**), Fundamentals of Interface and Web Design (**C**)

## Experience

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### Software Developer Internship - SureDatum

August 2016 - Present

Received a position as an intern with SureDatum after leaving the Department of Social Protection. Working here part-time as well as going to college. While here I have been working on projects for clients which enable them to reduce and control software license costs. I have been exposed to Scala, Java, AngularJS, JUnit, Mockito, and many more. We use Test Driven Development as part of our agile philosophy while completing our projects.

### BOMi Software Developer Internship - The Department of Social Protection

January 2016 - July 2016

I gained a position here for my third-year work placement in college. While here I learned valuable skills such as unit testing, debugging large projects, writing development code, and analysis. I was part of an agile development team made up of 10 developers who I benefitted greatly from working side-by-side with. This gave me vast knowledge and skills about the career I wish to pursue after completion of my degree.

### Referee - DDSL & UCFL

September 2012 to February 2016

Qualified Football Referee for the DDSL and UCFL taking charge of schoolboy and adult games on the weekends. Here I learned valuable skills with dealing with people.

## Projects

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**Fourth Year Software Development:** For my fourth and final year in college I was selected to complete my project with IBM. I was assigned an IBM mentor who I worked with daily. The project is a Chrome Browser Extension made up of HTML, CSS, and JavaScript and will be deployed on the Google Web Store in the future. The application will be building upon GitHub making it a more usable tool for project management with development teams. I started to develop this application only quite recently so it is still in the early stages.

**Third Year Software Development:** This project was built over 6 weeks in spare time after work in ASP.NET MVC C#. It was an appointment booking system for Public Services Cards which is supplied by the Department of Social Protection. This was part of my college work while out in industry on internship. The project had three main users, managers, staff members, and customers. It allowed a user to book an appointment which they could modify and cancel at any time per their needs. This project was developed on my own.

**Algorithms and Data Structures 1:** This project consisted of two members. This project was carried out using C++. Our job was to code a Plagiarism Checker which would compare .cpp and .h files to one another.

**Third Year Web Design:** This project was carried out by myself. I used AngularJS, HTML5, CSS, and Twitter Bootstrap to complete this project.

**Second Year Software Development:** I was heavily involved in the development of a Football Club System. This project was 12 weeks long. Our team consisted of three members. Each of us worked on the system. The system was developed in Java with a SQL database while using a Java Swing GUI. The main aim of the system was for a football club to keep track of their teams upcoming matches, previous results, league tables, players and training sessions. Players were also given the ability to pay their weekly fees through the system by credit card which was checked through our model.

**Second Year Web Design:** The project team consisted three members. This project was developed in the Java Play Framework using a combination of HTML5, CSS, Java, and Scala. We developed a Premier League website which had upcoming fixtures, results, news, and a contact us page.

**First Year Software Development:** This project consisted of three team members. The aim of this application was to total up the price of groceries for a Grocery Shop Application. This allowed us to choose groceries and at the end our total would be displayed to them.

## IT Skills

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|-------------------------------------|-------------------------------------|
| • Java & Scala                      | • LINQ                              |
| • Git and TFS                       | • Competent user of Windows systems |
| • C & C++                           | • Basic usage of Linux systems      |
| • C# ASP.NET MVC                    | • Database Schema Design            |
| • Entity Framework                  | • SQL                               |
| • HTML5, CSS, and Twitter Bootstrap | • JavaScript                        |
| • MySQL                             | • AngularJS                         |
| • Tableau for Data Analytics        | • MongoDB                           |
| • Unity for Game Development        | • JUnit                             |
| • Visual Studio Testing Tools       | • Mockito                           |
| • NCrunch Continuous Testing        | • ScalaTest                         |

## Achievements

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| • Completed IBM Hacking Workshop              | • Cardiff City Trials                  |
| • ECDL in PowerPoint 2007                     | • Semi Finalist of the All-Ireland U15 |
| • Created a Football League Website           | • Dublin Cup Winner U14                |
| • CoderDojo Mentor                            | • George Best Cup Winner U13           |
| • Final Year Project with IBM                 | • FAI Emerging Talent Programme        |
| • Completed Microsoft's Coding Competition    | • Participated in AIB DataHack         |
| • Semi- Finalist at Openet Decode Competition | • Microsoft Tech Gathering 2016        |
|   | • ConnectED with HubSpot               |

## Interests

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| • Programming Languages and Competitions | • Travelling |
| • Technology                             | • Cycling    |
| • French and Gaeilge                     | • Football   |
| • Personal Development                   | • Gym        |
| • Learning                               | • Music      |

## References

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References Available on request