**Michael Kerrigan**

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**EDUCATION & QUALIFICATIONS**

**2015 Maynooth University Computer Science & Software Engineering\* (2:1)**

***(See Appendix for result breakdown)***

*\*Transferred to Computer Science & Software Engineering after passing 3rd year Science*

**RELEVANT WORK EXPERIENCE**

**01/16 – 06/16 Junior Software Developer**

**YOUniversalNext, 51 Fitzwilliam Square W, Dublin 2**

* Work predominantly on the Linux Platform.
* Use SVN as version control system.
* Collaborate to develop new projects and work on existing code.
* Contribute to the research and development stage of new products.
* Provide technical support to various departments.
* Perform Object-Oriented Programming mainly with PHP and JavaScript.
* Extensive use of relational databases with SQL.
* Experience coding in PHP/MySql using MVC design patterns.
* Work with HTML, CSS & Javascript.
* Have gained a solid knowledge of Ajax and XML, working with web API’s (AWS, Google, Facebook) & Open Source Frameworks.

**01/14 – 09/14 Software Developer (Industrial Placement)**

**CVS Learning, Maynooth Business Campus, Maynooth**

* Worked on a variety of projects for their Examsupport website.
* Full stack experience
* Wrote code in HTML, CSS, PHP, JSON and JavaScript.
* Used Git as a version control system.
* Performed extensive software testing.
* Used tools such as XAMPP and HeidiSQL.
* Gained experience in frameworks such as CodeIgniter and popular libraries such as JQuery, JSON and bootstrap.

**KEY SKILLS**

* **Computer Skills:** Excellent MS Office (Word, Excel and PowerPoint). Understanding of all major operating systems: Mac OS, iOS, Android, Windows, Linux (Ubuntu, Debian).
* **Languages:** Java, C++, C, HTML5, XML, Python, JavaScript (JQuery, Bootstrap, Node.js, Highcharts), PHP (CodeIgniter, Smarty), CSS, SQL.
* **Programming Tools:** Eclipse, JUnit, AWS, PostgreSQL, MySQL, Apache Tomcat, SVN, GIT, XAMPP, HeidiSQL, UNIX command line, Tortoise, POV-Ray, VMware.
* **Software development methods:** Experienced in Agile development from various projects throughout college and experienced with a professional Scrum environment from time at CVS Learning. Have a working knowledge of Waterfall from my time with Accenture.
* **Planning & Organisation:** Helped organise and run the Eircom stand at the 2014 Eircom Junior Spiders event in the Google foundry. Plenty of experience from committee positions and as an access leader.

**PROJECTS**

* **Sentiment Analysis of Literary Reviews (Final Year Project)**
  + Uses sentiment analysis techniques to find the opinion expressed in written reviews (positive, negative and objective).
  + Written in Python and uses API’s such as NLTK.
  + Reviews were gathered using a web scraping script I wrote in Perl.
  + Gained an understanding of concepts such as data mining and how sentiment analysis can be used to learn and even change the opinions people have on various subjects online.
* **Sound Ghost (CS353 Team Project)**
  + Chrome extension that could pinpoint source of sounds in browser.
  + Our goal was to make a chrome extension that could aid people with hearing difficulties.
  + The extension also allowed users to rate sites according to usability and stores those ratings on a database for all users to see.
  + Html, CSS, JavaScript and PHP were all used in this project.
  + I worked mainly on the JavaScript and PHP.
  + We used SVN as our version control system.

**INTERESTS & ACHIEVEMENTS**

* **Public Relations Officer of Maynooth Biology society 2013-14** 
  + Organized events.
  + Designed and distributed posters of events.
  + Promoted membership and attendance of events.
  + Raised money for several charitable causes such as suicide prevention.
  + Attended Society meetings and events.

**WEBSITE**

<https://mkerrigan25.github.io/>

**References available on request**

**APPENDIX**

These results are for modules only relating to computer science. I can supply results for all modules upon request. I transferred to 3rd year CSSE after completing 3rd Year General Science

**4th Year CSSE**

**Module Grade**

CS355 Theory of Computation 73%

CS370 Computation & Complexity 60%

Cs401 Machine Learning & Neural Networks 45%

CS402 Parallel & Distributed Systems 48%

CS413 Neurocomputation 69%

CS416 Cryptography 25%

CS422 Robotics & Automation 73%

CS424 Programming Language Design & Semantics 76%

CS426 Computer Graphics 63%

CS440 Final Year Project 68%

**3rd Year CSSE**

**Module Grade**

CS258 Empirical Software Engineering 69%

CS264 Software Design 43%

CS310 Programming Languages & Compilers 43%

CS353 Team Project 79%

CS357 Software Verification 47%

CS361 Industrial Work Placement 76%

**3rd Year Science**

**Module Grade**

CS220 Computer Architecture 1 60%

CS265 Software Testing 65%

CS320 Computer Networks 45%

CS230 Web Information Processing 48%

CS335 Software Engineering & Software Processes 47%

CS253 Computer Architecture 2 70%

**2nd Year Science**

**Module Grade**

CS130 Databases 51%

CS210 Algorithms & Data Structures 1 64%

CS211 Algorithms & Data Structures 2 41%

CS240 Operating Systems 52%

**1st Year Science**

**Module Grade**

CS141 Introduction to Programming 69%

CS142 Introduction to Computer Science 61%

CS143 Introduction to Computer Systems 46%