In the modern world, we live in an era of the new. New models of cell phones, computers, and tablets are manufactured faster than we can learn to use all their features. As first predicted by the co-founder of Intel, Gordon Earle Moore, we can double the number of transistors, the basic building blocks of a Integrated Circuit, that can fit in the same space every year. (source) This phenomenon has caused a boom in the technology industry making processors cheaper and smaller, allowing an explosion of very powerful computing devices that fit in the palm of our hands. Because of this, software engineering has become increasingly more important. Every single one of these devices would be nothing more than a finely crafted piece of decor if there were no software written to bring them to life. Modern life in 2012, has created a demand for Software Applications Developers, and has deemed this a promising job for graduates with a degree in computer science, electrical, or computer engineering.

The work of software developers can be seen each time you power up your computer to create a word document and each time you wake your phone to check your email. There are many different types of Software Developers. Although many developers have skill sets that are applicable to both roles, Software Developers are usually separated as Software System Developers and Software Application Developers. Software Application Developers, which we will be exploring, create programs that are used on the web, on mobile devices and computers used by consumers, and by corporations to increase productivity and efficiency. Software Application Developers use programming languages, essentially a written set of commands for a computer, most commonly Java, C, Objective-C, Visual Basic, PHP, and SQL to help meet a customers needs. (source) Applications that Software Applications Engineers make include

consumer products such as the Microsoft Office Suite, Photoshop, web browsers, products for corporations such as enterprise software to help large companies, and mobile applications that run on tablets and phones. Software Application Developers have a wide range of employers to choose from and because of the complexity of computer software, each computer application is broken down into tasks and assigned to developers. Although there is a wide range of variety computer applications, these tasks are less complex and can be completed by Software Application Developers with just a little research.

What makes Software Application Development so attractive is that developers are able to work in an environment that is always interesting because of the ever-evolving nature of technology, and developers have a wide variety of fields they can focus on. There are countless employment options that leave people with a job that feels repetitive and stagnant in their industry. Software Application Developers work in the high-technology industry where innovations in new technologies are made every week. New software standards and development platforms are released multiple times each year, with old standards being dropped and rendered obsolete. Working in this field gives the opportunity and even requires developers to keep current with new technologies and standards. Software Applications developments attract many graduates who want to use their skills and to work in tandem with other engineers towards a goal, to meet a customers needs. In the process, Software Applications Developers learn new skills and polish their programming technique on the job, gain more experience and earn a wider range of transferable skills. Most Software Development jobs require common programming languages and the skills gained in a previous job can be applied to any

other job in the Software Development field. Because of the excitement that comes with implementing new technologies and a wide variety of computer applications, many graduates are drawn towards the field of Software Applications Development.