# Maksymilian Drzezdzon

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## Career Goals and Accomplishments

- Looking to do a masters in advanced software engineering and a PHD later, Python, Android and IOS hobbyist
- Completed QQI level 5 in programming (C#) while in secondary school for game development competitions
- Co-Lectured secondary schoolers in python one day a week, introducing basic programming concepts

## Work Experience

### Network engineering intern
**Virgin Media**                                                                                                06/2017 - 12/2017
- Review, fix circuit paths in company software used for documentation of network circuits
- Trusted and authorized with access to the whole virgin media network in Ireland as an intern
- Quickly familiarize myself with the company network, documentation, remote navigation

## Education

**Bachelor of Science in Network and Software Engineering**                                08/2015 - 10/2019
Technological University Dublin - City campus (2:1)

## Projects

**Online Book Retailer**
- Developed a Rest Spring boot backend (MVC), tested with Postman, Dockerized Spring microservices
- Designed a simple and clean angular front-end to present data, integrated external API for dummy data
- Revamped as Java/Swing self-check-out alternative, following UI/UX best practices

**Server Log/Data Analysis Tool**
- Learned Python, Pandas and PyQt5 to prototype a functioning desktop application to parse apache logs
- Prepared visualization to allow Cyber-sec professor analyze server logs from lab honey-pot website

**Android Development**
- Created a single view speed calculator tapping into hardware sensors, external library for graphing
- Built a HackerNews app with news updates, Retrofoit2, Gson, ButterKnife, news API for data
- Architected a fully functional multiview Kotlin messenger app on a Firebase backend

**IOS Development**
- Integrated weather forecast API to create an app with adaptive UI vectors as background images
- Continuously building apps to improve UI design skills, SDKs, researching for best practices and tools

**Flask Web Notebook**
- Researched Django/Flask, Imitated Facebook like features, Dockerized and hosted on Raspberry Pi
- Composed a front-end with HTML 5, Bootstrap 4, CSS 3 and Flask layout functions

**Arduino Bluetooth Car Bot**
- Complied with a tight work schedule (3 weeks) due to 8-week snow storm delaying parts
- Employed knowledge of Bluetooth (BLE), Android, Debugging code, embedded system programming

## Skills/Glossary

**Programming**: Java, Python, Swift, C#, C/++, Kotlin, PHP
**DB Technologies**: Hibernate, MongoDB, MySQL, PostgreSQL, Microsoft Access, JDBC, SQLAlchemy, Node
**Certs/Other Technologies** CCNA/CCNA Cyber-Ops/CCNA security, Gradle, IOT, Git, Junit4, MQTT, Maven, Tomcat, Nginx, SSH, DNS, Lets Encrypt (HTTPS), Cron, Linux Remote Administration, Pandas, Picasso, Digital Ocean, MQTT, Mbed, Cocoapod, Android Jetpack, SwiftUI, Json, XML, Design Patterns,