

Maksymilian Drzezdzon

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Career Summary

- Looking to do a masters in advanced software engineering, Python, Android and IOS hobbyist
- Completed QQI level 5 in programming while in secondary school, created mini games, taught student's python
- Learned embedded programming to build a robot, demo link on GitHub

Education

Bachelor of Science in Network and Software Engineering

2015-2019

Technological University Dublin - City campus

Work Experience

Network engineering intern

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
- Plan work schedule, research terminal commands for different vendors and occasionally work from home

Projects

Digital Ocean Cloud Server

- Build, hosted and configured Nginx web servers with SSH, DNS, Lets Encrypt (HTTPS), Cron
- Deployed all web projects below to cloud with Nginx configurations above and databases for storage

Java Web Application

- Developed a number of API endpoints, Spring backends with authorization, REST API and Postman
- Designed a simple and clean angular front-end to present data from API endpoints
- Dockerized Spring microservices, integrated external API, implemented client-side load-balancing

Python Log Analysis Tool

- Learned Python and PyQt5 to prototype a functioning desktop application
- Formatted and plotted data to provide insights with Pandas and matplotlib on a DoS attack

Python Web App

- Researched Django/Flask, chose Flask to build a blog/Facebook like application as its similar to Spring
- Designed a front-end with Bootstrap, CSS3 and Flask functions, imitated Facebook features

Mobile Development IOS/Android

- Created a speed calculator using hardware sensors with live graphing using an external library
- Build clone apps to learn app architecture, UI design, cloud and device storage for mobile apps
- Continuously work on side projects with a goal to publish my own apps on both (IOS, Android)

Arduino Bluetooth Car Bot

- Complied with a tight work schedule due to weather conditions delaying robot parts
- Employed knowledge of Bluetooth (BLE), Android, Debugging code and embedded systems

Skills/Glossary

Programming: Java, Python, Swift, C#, C/++, Learning Kotlin, HTML5, CSS3, XML

DB Technologies: Hibernate, MariaDB, MongoDB, MySQL, PostgreSQL, Microsoft Access, JDBC, Nginx

Tools/Technologies Android Studio, XCode, Angular, CCNA/CCNA Cyber-Ops/CCNA security, Cloud, Docker, Flask, Flask SQLAlchemy, Gradle, IOT, Git, Junit, MQTT, Maven, Pandas, Postman, Raspberry pi, Rest, Spring Boot, Swing, Tomcat,