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 (C#) while in secondary school, entered programming competitions

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

Education

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

Projects

Online Book Retailer
- Developed a Spring boot backend tested with Postman, Dockerized Spring microservices
- Designed a simple and clean angular front-end to present data, integrated external API for dummy data
- Built a Desktop self-check-out Java version with Swing following UI/UX best practices

Server Log Analysis Tool
- Learned Python, Pandas and PyQt5 to prototype a functioning desktop application to parse apache logs
- Built visualization to allow my Cyber-sec professor analyze server logs from his honey-pot website

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

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)

IOT Raspberry Pi Cloud Server
- Captured data from a Micro-Bits magnetometer, acetometer and buttons with C++ and Mbed libraries
- Handled microcontroller events sent over a MQTT broker with Node.js, Displayed data on front-end
- Configured Raspberry Pi to be a gateway between devices and host the front-end of this project

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, embedded system programming

Skills/Glossary

Programming: Java, Python, Swift, C#, C/++, Kotlin, XML
DB Technologies: Hibernate, MongoDB, MySQL, PostgreSQL, Microsoft Access, JDBC, SQLAlchemy
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