Maks Drzezdzon

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CAREER SUMMARY

Full stack software engineer with ~1 years of experience, recent graduate. Planning on doing a masters in advanced software engineering. Seeking full stack/data/IOS roles. Recreationally work on projects to bolster learning, study Polish and German as well as Rubik's cube algorithms, simplified to 4 algorithms for teaching.

EDUCATION

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

SKILLS

Programming: Java, Python, Swift, C/++/#, JavaScript, TypeScript, PHP
Cloud and Databases: MySQL, MongoDB, PostgreSQL, SQLAlchemy, Node, Realm, Digital Ocean, Firebase
Other Technologies: Git, Junit4, XML, JSON, Flask, Android, TensorFlow, Keras, Angular, React
Languages: English (Fluent), Polish (Advanced), German (Basic)

WORK EXPERIENCE

General Motors -- Full Stack Software Engineer   **08/2019 - 11/2019**
- Architected 2 spring micro-services used to relay product information, utilized and learned company API
- Initiated migration of simple corporate pages to Angular 2+, reported progress with daily stand ups

Virgin Media -- Network Engineer Intern   **06/2017 - 12/2017**
- Collaborated to overhaul software used to generate configurations for switches and troubleshooting circuit paths
- Authorized with network access spanning over 100s of devices in Ireland, updated documentation
- Communicated issues to senior engineers such as replacement of equipment, evaluated 900+ circuit paths
- Worked on a cross functional team of 4, consisting of 2 senior network engineers and a software engineer

PERSONAL AND UNIVERSITY PROJECTS

Online Book Retailer (Java, Spring, Angular, Swing, HTML5, CSS3, Bootstrap4, XML, PostgreSQL, MVC)
- Developed a rest spring boot backend with 4 microservices on digital ocean, tested with postman
- Designed a simple and clean angular front-end to present data, integrated external API for dummy data
- Revamped as desktop self-check-out alternative following UI/UX best practices, after mediating and negotiating with professor and 2 other students to facilitate moving forward with project mix up

SoundCloud Clone (PHP, HTML5, CSS3, Digital Ocean, MariaDB, Singleton pattern, Linux)
- Deployed and remotely configured a cloud server, setting up HTTPS, apache2, Nginx, SSH and ports
- Planed a database schema with MySQL workbench, implemented through a Linux terminal
- Implemented 4 intrusion prevention features against cross site scripting, SQL injection, SQL sanitization and parameterized queries with a connection manager class to reduce code overhead.

Python Data Analysis (Python, TensorFlow, Kaggle, Google Dataset Search, Pandas, BeautifulSoup, Pickle)
- Analyzed dataset for user count for screen size averages, in-app purchases through command line tool
- Investigated correlation in data to gain insights on user engagement in the mobile gaming industry
- Created 2 classification models with TensorFlow, predicting student grades and Alzheimer brain scans
- Organized each dataset containing separating train and test data, both models performing at ~98.9%
- Examined datasets to gain data related skills web scraping with, data cleaning, pickling AI models

IOS Development (Swift, SwiftUI, APIs, SwiftyJson, Alamofire Firebase, Python, Cocoapod, Core data)
- Integrated weather forecast API to create an app with adaptive UI vectors as background images
- Tailored 3 apps with SwiftUI such as HackerNews, To-Do and others with over 300 commits on GitHub
- Implemented 2 design patterns such as MVC, Observer and currently learning MVVM among others
- Trained several models, converted and utilized 3 pretrained AI models for image recognition app
- Composed a camera dictionary app for my grandparents, currently it's sufficient to help with shopping