Łukasz Łapiński

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EXPERIENCE

Intern – C++/Python   2020
EXATEL, Warsaw, Poland
- Worked on a DDoS attack detection and mitigation system in a test-driven CI/CD environment.
- Added features and bug fixes to a fast C++ packet filtering system.
- Improved a Python dashboard web application for clients.
- Created unit/integration tests for implemented features.

EDUCATION

Warsaw Institute of Technology   2017 – 2021
Technical Physics, BEng, specialization: Computer Physics
- Worked with: Python, C, C++, Bash, Java, HTML/CSS/JS, Linux systems.
- Thesis: "Implementation of an artifical neural network neuroevolution algorithm".

PROJECTS

d-moodle
Python, Django, PostgreSQL
- Developed a simple moodle-like system for teaching/learning in Django and PostgreSQL.
- Features a simple authentication system; course, lesson and question management.

DevilutionX
C++, C
- Helped in a project reconstructing the Diablo game from 1996; multiple times "Trending" on GitHub.
- Implemented variable game speed; corrected minor mistakes in the code.

ml-library
Python, NumPy
- Created pure Python and NumPy implementations of some machine learning algorithms.
- Used a Scikit-learn inspired model that is easy to use and intuitive.

HW-data-analysis
Python, Pandas, NumPy, Matplotlib, Seaborn, Git
- Developed a simple project to visualize data for the Heroes 3 community.
- Acquired the data on my own hand and cleaned it.
- Showed interesting relationships (charts, histograms, time series, a heatmap) to spark a discussion.

SKILLS & INTERESTS

- Python, Django, C++, SQL, Git, Linux, Bash.
- Scikit-learn, NumPy, Pandas, a few machine learning certificates.
- Maths, statistics, physics.
- **Desire to learn and improve!**
- Interests: English, music, playing the guitar, raising mice.