Dagvanorov Lkhagvajav

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EDUCATION

Higher School of Economics (The university places first on the Forbes ranking) Moscow, Russia
Bachelor of Engineering in Computer Science, Minor in Sociology *Sep 2016 – Jul 2021*
Relevant courseworks: System Architecture, Software Design, Software QA and Testing,
Operating Systems, Distributed Computing, Databases, Data Analysis, Machine Learning /ML, DL/,
Applied Algebra in Data Analysis, Algebra, Calculus Statistics and Probability, Algorithm and DS,
Group Dynamics and Communication, Development and Analysis Requirements, Software Project Management,
Intellectual Law

EXPERIENCE

Freelance Software Engineer and Data Scientist Jan 2021 – Present

Programmer Jan 2021 – Jun 2021
Laboratory on AI for Computational Biology *Moscow, Russia*
- Maintained the Linux server of the laboratory
- Managed high computational resource required workload using Slurm
- Wrote Linux shell scripts to automate tasks
- Communicate with fellow laboratory workers regularly
- Assess and troubleshoot computer problems brought by laboratory workers

Artificial Intelligence Research Assistant Jun 2020 – Nov 2020
Laboratory for Models and Methods of Computational Pragmatics *Moscow, Russia*
- Developed various pipelines for experiments
- Communicate with fellow researchers to achieve state-of-art result
- Wrote research conclusions which will be used for publishing a paper in journals

Software Developer Dec 2019 – Jul 2020
Institute for System Programming of the Russian Academy of Science *Moscow, Russia*
- Created a code editor tool plugin for system programming language nML (see Related Projects)
- Wrote technical documents by following the IEEE and GOS standards
- Implemented continuous delivery using TravisCI to build the plugiin upon new a relaease

LEADERSHIP EXPERIENCE

International Students' Association Council, HSE University. Head of Information and Communication |
- Fortunately, I was selected to be one of nine council members to represent more 3000 international students of the top Russian university
- On a daily basis, helped international students to solve the problem they were facing
- Initiated and contributed to an attempt to increase of the accessibility of information among students. Successfully created various information sharing platforms
- First time increased the awareness of the association among students and let them knew to contact us if they face problems

PROJECTS

Depth Estimation Model for Resource-restrained Devices | *Python, PyTorch*
- Developed a novel approach to design depth estimation model for the devices, such as drone, robot, mobile phone, etc.
- Contributed to a new state-of-art research, Neural Architecture Search, with exceptional result
- Wrote a complete research paper on the topic

Advertising Content Evaluating Web Application | *MySQL, Django*
- Developed a full stack web application to evaluate the engagement of short ads using machine learning models
- Wrote full documentations using the IEEE standard
- Used MySQL to store data gathered from the evaluation sessions
- Explored ways to analyze the user engagement

TECHNICAL SKILLS

Languages: Python, Java, C++, C#, SQL (Postgres, MySQL), JavaScript
Frameworks: .NET, Django, Pytorch, Tensorflow, Apache Spark
Developer Tools: Git, Docker, TravisCI, Google Cloud Platform, VS Code, Visual Studio, PyCharm, IntelliJ, Linux Shell Script, Powershell Microsoft Windows
Libraries: pandas, NumPy, Matplotlib, SciKit-Learn, XGBoost, Seaborn

LANGUAGES

Mongolian: Native.
English: Full professional profiency, scored 85 in TOEFL iBT.
Russian: Working profiency.