



# BOHDAN SLEPAK

## Software Engineer, Machine Learning

Multipassionate software engineer with a mutual love for AI, robotics, and space tech. 6+ years of demonstrated experience in software development, 4+ years in data science and machine learning, and 1+ years managing teams of professionals. Highly adaptable and willing to take on any technical challenge, striving in projects with a high level of responsibility.

📍 Vancouver, Canada

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📞 (236) 99-22-856

💻 aetherealtea.github.io

### Experience



Reply.io

Europe, Remote • Full-time • 2 yrs 9 mos

Data Science Lead

Dec 2021 - Nov 2022

- Hired, mentored, and managed a team of 3 data specialists.
- Lead the development of an AI backend for several internal projects featuring NLP with an emphasis on text generation.
- Spearheaded the redesign of basic product features, increasing performance metrics for selected NLP models from 85% to 95%.
- Researched and designed a prototype for a new internal data streaming architecture, increasing reliability and ease-of-service.

Data Scientist

Mar 2020 - Dec 2021

- Pushed and secured an access to the closed beta for GPT-3.
- Developed a GPT-based product feature securing the "Product of the Day" award on Product Hunt.
- Successfully executed the transfer from a legacy monolith to a microservice backend for DS infrastructure.
- Gathered data and visualized insights with over 30 dashboards ranging from financials to product metrics.



Skysson (Íslensk Gervigreind ehf.)

Iceland, Remote • Full-time • 1 yr 6 mos

Machine Learning Engineer

Jul 2018 - Dec 2019

- Overtook the development of the DS infrastructure complete with models and ways to serve them.
- Introduced cloud solutions to the AI software developed, e.g. Dialogflow for chatbot integrations and Airflow for script execution.
- Incorporated C++ gRPC backend into AI solutions for optimal performance.



National Aerospace University

Ukraine • Part-time • 1 yr 6 mos

Junior Scientific Assistant, Avionics Lab

Sep 2016 - Feb 2018

- Implemented a microsatellite attitude control system for a new laboratory stand, working closely with a team of university professors.
- Conducted laboratory work, such as setting up experiments, collecting and analyzing data, and preparing reports on the results.

### Skills

- Python    C++    SQL    Controls  
Machine Learning    Deep Learning  
Computer Vision    NLP  
Reinforcement Learning  
Data manipulation & visualization  
Docker    Kubernetes    Cloud

### Traits

- Adaptability    Fast Learner  
Resilience    Communication  
Teamwork    Leadership

### Education

National Aerospace University

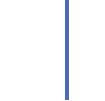
Bachelor's Degree, Aircraft Control Systems  
2014 - 2018

Winner of the ACM-ICPC programming contest in the all-Ukrainian stage; winner of the all-Ukrainian competition amongst aviation educational institutions "Aviator"; top student in class.

### Certificates



Deep Learning Specialization  
Coursera  
ID: QXUM6YM2XS3W



Machine Learning  
Coursera  
ID: 6YQZJZM7BXQF

### Languages

- English (full working proficiency)  
Ukrainian (native proficiency)  
Russian (native proficiency)

# Projects



## Void Tech

In-orbit satellite servicing with the hive of nanosat drones

### Founder

Feb 2021 - Mar 2022 (suspended)

- Designed the concept of the system and oversaw its implementation
- Attracted and managed two engineering specialists
- Designed and tested basic control systems using pybullet for physics simulations and stable-baselines for RL experiments



## Echoes

AI enhanced journaling app

### Founder

Feb 2023 - Ongoing

- Designed and developed prototype UI and a number of GPT-based AI features
- Attracted and managed two contributors



## Project Voidwalker

Performance analysis for Apex Legends videogame players

### Sole developer

Feb 2023 - Ongoing

- Developed screen capture system that recognizes in-game frame types with 99% accuracy using OpenCV
- Leveraged Tesseract library to perform OCR with near to 95% accuracy

# Recommendations



Just trust Bohdan and challenge him and you will never regret.

**Anatol Kisil**, VP of Product at Reply.io



He had a clear ability to leverage ML technologies and concepts to enhance our capabilities.

**John-Paul Fortune**, CEO at Skysson



Bohdan has a strong understanding of all the aspects of his work, which enables him to manage processes effectively.

**Natalia Syzonets**, Data Scientist



It was a pleasure to work in his team.

**Aziz Khudaiberenov**, Data Scientist

# Interests

AI   Robotics   Space  
Cycling   Bouldering  
Videogames   TTRPG  
Music