

Work experience

- **LatticeFlow** *Software Engineering Lead, October 2021 - Present*
 - Founded the Bulgarian RnD branch of the company.
 - Set up the CI/CD infrastructure from scratch.
 - Designed the SaaS version of the product from scratch.
 - Contributed to various core components.

Technologies: Python, PyTorch, Tensorflow, Docker
- **Layer** *Software Engineer, September 2020 - October 2021*
 - Laid foundational work on the core MLOps functionality for training, managing, and deploying machine learning models.
 - Designed and implemented the billing system of the company.
 - Contributed to various improvements to the infrastructure using AWS and Terraform.

Technologies: Java, Python, AWS, PostgreSQL, Kubernetes, Terraform
- **Leanplum** *Senior Software Engineer, October 2017-February 2020*
 - Served as the technical lead for Leanplum's A/B testing functionality.
 - Contributed to the development of a complex reporting engine that handled terabytes of data per day and had a latency SLA of 300ms.
 - Set up a new team responsible for Email delivery, performed interviews and onboarded new engineers.
 - Managed an HDFS cluster with 200+ machines and 2+ petabytes of data.
 - Worked on the event management of an ingestion engine that handles 27B+ QPS.
 - Setup and managed an Apache Spark cluster for a machine learning algorithm for sending messages in the optimal time for users.

Technologies: Java, Python, Google Cloud Platform, Apache Spark, Apache Kafka, HDFS, HBase, Zookeeper, Dataflow, Cloud Pub/Sub, RabbitMQ, BigQuery, GCS, Spring Boot, Git
- **Facebook** *Software Engineer Intern, June 2017 - September 2017*
 - Implemented an anti-fraud algorithm for video ads delivery based on rate-limiting ad requests.
 - Built a system for end-to-end testing of video ads.
 - Rewrote multiple metrics for video view time and impressions based on thorough data analysis.
 - Introduced various improvements to a system for debugging video related metrics.

Technologies: Hack, Python, Mercurial, Presto, Dataswarm, React, Phabricator

Education

- **ETH Zurich** *October 2015 - June 2017*
 - Master of Science (MSc), Computer Science, GPA 5.68/6.00, US \approx 3.70.
 - Thesis: *SIMD intrinsics on managed language runtimes*. Published at CGO'18.
 - Received a Master Scholarship for extraordinary academic performance.
 - Worked as a Software Engineer Intern at Leanplum focusing on BigData performance improvements.
- **Vienna University of Technology** *September 2012 - June 2015*
 - Bachelor of Science (BSc), Computer Science, GPA 1.28, US \approx 3.90.
 - Worked as a teaching assistant in 2 subjects for 3 semesters.
 - Worked as a Software Engineer Intern at Tetracom focusing on hybrid mobile application development.