Maksim Podkorytov

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Education

Florida State University (FSU) — Tallahassee, FL
PhD in Computer Science, GPA 4.0 — *Fall 2018 – present (expected 2021)*
The Department of Computer Science

The University of Texas at San Antonio (UTSA) — San Antonio, TX
PhD in Computer Science, GPA 4.0 — *2016 – transferred in 2018*
The Department of Computer Science

Lomonosov Moscow State University, the department of Mechanics and Mathematics — Moscow, Russia
Specialist in Mathematics with specialization in Computational Mathematics, mean transcript grade 4.42/5 — *2010 – 2015*

Experience

Research

Deep Learning research — **FSU**
Graduate Research Assistant — *2020 – present*
Transformer architecture

Data Science research — **FSU & UTSA**
Graduate Research Assistant — *2017 – 2019*
Polystore databases, search and data integration

Teaching

CIS 4930/5930 Big Data Management and Analytics Systems; Data Science — **FSU**
Teaching Assistant — *2019 – 2020*
In-class MySQL, XQuery, and MongoDB demo sessions; project teams supervision; presenting lectures; designing and grading exercises

CGS 2100 Microcomputer Applications for Business/Economics — **FSU**
Teaching Assistant — *2018 – 2019*
Helping students to understand the core concepts

CS 5443 Database Management Systems, CS 5493 Large-Scale Data Management — **UTSA**
Teaching Assistant — *2016 – 2017*
Designing MySQL and XQuery exercises; project teams supervision; presenting lectures

Software Engineering

Facebook — **Menlo Park, CA (remote)**
Software Engineer Intern — *2020*
Implementation of a Thrift service routing DDL queries for Cubrick, an OLAP database
Technologies used: C++, Python, Thrift, Mercurial

Rock Flow Dynamics — **Moscow, Russia**
Software Developer — *2014 – 2016*
MPI aspect of tNavigator, an oil/gas reservoir simulator. Implemented PoC of reservoir coupling feature as a part of undergraduate thesis
Technologies used: C++, MPI, Git

Rock Flow Dynamics — **Moscow, Russia**
Software Developer Intern — *2013*
Front end for tNavigator's license manager
Technologies used: PHP, Javascript, CSS, HTML.

Awards

WCCI 2020 Student Registration Grant ($95)	*Summer 2020*
Dyalog APL Problem Solving Competition Phase 1 Winner ($100)	*Summer 2019*
ICDM Student Travel Award ($500)	*Winter 2017*
College of Sciences Dean Distinguished Summer Research Fellowship ($4000)	*Summer 2016*
Computer Science Graduate Academic Scholarship ($1000)	*Summer 2016*

Publications

[1] **Maksim Podkorytov**, Daniel Biś, Jinglun Cai, Kobra Amirizirtol, and Xiuwen Liu. Effects of architecture and training on embedding geometry and feature discriminability in BERT. In *IJCNN*, Glazgow, United Kingdom, 2020.

[2] **Maksim Podkorytov** and Michael Gubanov. Hybrid.Poly: A consolidated interactive analytical polystore system. In *ICDE*, Macao, 2019.

[3] **Maksim Podkorytov** and Michael Gubanov. Hybrid.Poly: Performance evaluation of linear algebra analytical extensions. In *Big Data*, Seattle, WA, 2018.

[4] Sean Soderman, Anusha Kola, **Maksim Podkorytov**, Michael Geyer, and Michael Gubanov. Hybrid.AI: A learning search engine for large-scale structured data. In *WWW, Profiles&Data:Search*, Lyon, France, 2018.

[5] Steven Ortiz, Caner Enbatan, **Maksim Podkorytov**, Dylan Soderman, and Michael Gubanov. Hybrid.JSON: High-velocity parallel in-memory polystore json ingest. In *Big Data*, Cambridge, MA, 2017.

[6] **Maksim Podkorytov**, Dylan Soderman, and Michael Gubanov. Hybrid.Poly: An interactive large-scale in-memory analytical polystore. In *ICDMW DSBDA*, New Orleans, LA, 2017.

[7] Michael Gubanov, Manju Priya, and **Maksim Podkorytov**. CognitiveDB: An intelligent navigator for large-scale dark structured data. In *World Wide Web Companion*, Perth, Australia, 2017.

Presentations

[8] Michael Gubanov, **Maksim Podkorytov**, Anusha Kola, and Dylan Soderman. Hybrid.Poly: An interactive large-scale in-memory analytical polystore. In *MIT Annual Database Research Conference*, Cambridge, MA, Jan 2018.

[9] Michael Gubanov, Sean Soderman, Anusha Kola, and **Maksim Podkorytov**. Hybrid.AI: An ai-augmented search engine for large-scale structured data. In *MIT Annual Database Research Conference*, Cambridge, MA, Jan 2018.

[10] **Maksim Podkorytov**, Dylan Soderman, and Michael Gubanov. Hybrid.Poly: An interactive large-scale in-memory analytical polystore. In *the 9th annual College of Sciences Research Conference at UTSA*, San Antonio, TX, Oct 2017.

[11] Michael Gubanov, Manju Priya, and **Maksim Podkorytov**. IntelliLIGHT: A flashlight for large-scale dark structured data. In *MIT Annual Database Research Conference*, Cambridge, MA, Jan 2017.

[12] **Maksim Podkorytov** and Michael Gubanov. Large-scale online analytics engine. In *the 8th annual College of Sciences Research Conference at UTSA*, San Antonio, TX, Oct 2016.

Service

	Paper Reviewer
EMNLP	*2020*
	External paper reviewer
VLDB::Poly	*2019*

IEEE BigData (Research track)

External paper reviewer
2018

Journal of King Saud University – Computer and Information Sciences

External paper reviewer
2018

WWW PROFILES & DATA:SEARCH

External paper reviewer
2018

IEEE Transactions on Big Data

External paper reviewer
2017