Maksim Podkorytov

Tallahassee, FL

(850) 755-1008 • mpodkorytov@fsu.edu • maksim.page • 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[1] *with specialization in Computational Mathematics, mean transcript grade 4.42/5* *2010 – 2015*

Experience

Research

Supervisor: Dr Michael Gubanov **FSU**
Graduate Research Assistant *August 2018 – present*
Continued work on the Hybrid.poly project[5].

Supervisor: Dr Michael Gubanov **UTSA**
Graduate Research Assistant *2017 – 2018*
Hybrid.poly, the large-scale in-memory analytical polystore project[5]. Web interface for Hybrid.AI[3].
Technologies used: Java, Antlr, Weka, SQL, JSON, XML, PHP, Javascript, CSS, HTML.

Teaching

CIS 4930/5930 Topics in CS: Big Data Management and Analytics Systems **FSU**
Graduate Teaching Assistant *January 2019 – May 2019*
Conducting practice sessions on MySQL, Galax XQuery engine and MongoDB; project teams supervision; presenting several lectures; grading.

CGS 2100 Microcomputer Applications for Business/Economics **FSU**
Graduate Teaching Assistant *August 2018 – May 2019*
Resolving students' doubts about the core concepts in the course.

CS 5443 Database Management Systems, CS 5493 Large-Scale Data Management **UTSA**
Graduate Teaching Assistant *2016 – 2017*
Designing problems on MySQL and XQuery; project teams supervision; presenting several lectures; grading.

Software Engineering

Rock Flow Dynamics **Moscow, Russia**
Software Developer *2014 – 2016*
MPI facility of tNavigator, the reservoir simulator.
Technologies used: C++, MPI, Git

Rock Flow Dynamics **Moscow, Russia**
Intern *2013*
Development of tNavigator license manager's web interface.
Technologies used: PHP, Javascript, CSS, HTML.

[1] 5-year specialist degrees from Russian universities are equal to combined Bachelor's and Master's Degrees.

Maksim Podkorytov mpodkorytov@fsu.edu

Awards

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[2]

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

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

[3] 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.

[4] 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.

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

[6] 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

[7] 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.

[8] 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.

[9] **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.

[10] 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.

[11] **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

External paper reviewer

VLDB::Poly *2019*

External paper reviewer

IEEE BigData (Research track) *2018*

[2] Premiere conferences in computer science (e.g. VLDB, IEEE ICDE, CIDR, ACM CIKM, WWW) are highly selective and intended for archival papers only. These conferences often exceed journals in their selectivity, visibility, and impact. Submissions undergo multiple rounds of review before being accepted for publication. Please see `http://portal.acm.org/citation.cfm?id=1743546.1743569` for a study comparing the impact of conference papers and journals in these areas.

External paper reviewer
Journal of King Saud University – Computer and Information Sciences *2018*

External paper reviewer
WWW PROFILES & DATA:SEARCH *2018*

External paper reviewer
IEEE Transactions on Big Data *2017*

Languages

English: Proficient
Russian: Native