Aleksandr Shiriaev

Work permit: Singaporean | **Date of birth:** 02/03/1987 | **Place of birth:** Syktyvkar, Russia | **Nationality:** Russian

Phone number: (+65) 86607679 (Mobile) | **Email address:** ashiryaev87@gmail.com

ABOUT ME

Preferred name spelling: Alexander Shiryaev

EDUCATION AND TRAINING

01/09/2018 – 13/11/2020 Moscow, Russia
MASTER OF FUNDAMENTAL AND APPLIED LINGUISTICS National Research University Higher School of Economics, Moscow, Russia

Website https://www.hse.ru/en/ | **Level in EQF** EQF level 4

01/09/2003 – 15/06/2009 Moscow, Russia
MASTER OF APPLIED MATHEMATICS AND COMPUTER SCIENCE Lomonosov Moscow State University

Website https://msu.ru/en/ | **Level in EQF** EQF level 4

WORK EXPERIENCE

30/08/2022 – CURRENT Singapore, Singapore
SENIOR VALUER MARSH (SINGAPORE) PTE LTD

Turnkey asset valuation project deliveries: client communications, site visits, development of valuation models, report writing, reconciliation of results with clients

18/08/2008 – 12/08/2022 Moscow, Russia
MANAGER AT THE FIXED ASSETS VALUATION TEAM ERNST & YOUNG VALUATION AND ADVISORY SERVICES LLC

Asset valuation project management: client interactions, site visiting, methodology development, team management, quality control, reporting
Knowledge sharing: mentoring, development of training sessions on asset valuations for the team

PUBLICATIONS

2022
Glottalized lateral in Rikvani Andi: an acoustic study

Research contribution: sound annotation, analysis methodology (choice of acoustic correlates), data analysis and visualization (Praat and R), literature review, writing

Alexander Shiryaev, Michael Daniel and George Moroz (2022), Phonetica, Volume 79 Issue 4

2024
Optimizing FastTrack's performance to obtain formant values in fricative noise

Research contribution: analysis methodology (choice of segment types and Praat parameters), data analysis, writing

Alexander Shiryaev, Alexandre Arkhipov, Michael Daniel, Ekaterina Shepel (2024), a poster for P&P 2024 conference in Halle (Saale)

2023
Multidimensional Signals and Analytic Flexibility: Estimating Degrees of Freedom in Human-Speech Analyses

Role: part of a team of four students working on the experimental question posed by the article's authors
Research contribution (same by each team member): analysis methodology (choice of acoustic correlates), writing

Stefano Coretta et. al. (2023), Advances in Methods and Practices in Psychological Science

● LANGUAGE SKILLS

Mother tongue(s): **RUSSIAN**

Other language(s):

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken production	Spoken interaction	
ENGLISH	C1	C1	B2	B2	B2
SPANISH	B1	B1	B1	B1	B1

Levels: A1 and A2: Basic user; B1 and B2: Independent user; C1 and C2: Proficient user

● DIGITAL SKILLS

Microsoft Excel ┃ Fonética acústica: análisis fonético con PRAAT ┃ R, R Studio, R Markdown

Motivation letter

Aleksandr Shiriaev

Independent researcher
Address: 8 Lorong 38 Geylang, #05-13, Singapore 398106
Email: ashiryaev87@gmail.com

To whom it may concern,

I am writing to express my interest in PhD positions on the topics of speech analysis: Detection and perception of smiled speech (DC3) and Respiratory Diseases: Detection and Classification of Multiple Classes based on Vocal Cues (DC12).

Before describing my research interests and current projects, I'd like to give a little background on my career path.

I graduated from Lomonosov Moscow State University in 2009 with a master's degree in Applied mathematics and Computer science. A year before graduation I joined the asset valuations team at Ernst & Young Moscow, a branch of an international audit company, and I worked there until 2022 growing from an intern to a project manager, leading teams of up to 10 people.

In 2022 I moved to Singapore and started at Marsh (Singapore) Pte Ltd, an insurance broking company where I'm currently employed as a Senior Valuer doing asset valuations for insurance purposes.

My interest in academia and research began around 2014, when a colleague suggested that I help them with a talk on asset valuations at the National Research University Higher School of Economics in Moscow. I enjoyed the talk very much and continued to do it annually until the COVID-19 pandemic, when all the programs were stopped.

Realizing how much I enjoyed teaching, in 2017 I enrolled into a one-year English teacher professional training program, where we had an introduction to language studies which I was fascinated by.

After graduating from the program I started a small private English-teaching practice and enrolled into a master's program in Fundamental and Applied Linguistics at the National Research University Higher School of Economics (HSE). In order to get enough time for these projects, I had to move to a part-time position with my employer.

My term paper at HSE was on the acoustics of the glottalized l' in Rikvani Andi (Nakh-Daghestanian), which later became the 2022 publication. To do the research I revisited my programming skills learning the syntax of Praat and R. Overall it was very enjoyable, because phonetics is very computational and I've loved writing scripts since high school.

Nevertheless, to broaden my linguistic knowledge, for the thesis I decided to work on formal semantics and analyzed the semantics and distribution of the quantifiers *mnogo* and *mnogie* in Russian. I liked working on the thesis, because formal semantics is based on mechanisms of formal logic and is also in a sense computational.

Unfortunately, being a part-time employee, I couldn't continue working in both fields after graduation and had to pick one. My advisor suggested to continue working on the glottalized l' which I did and as a result we published our paper in 2022.

Since then I've been working on emphatic consonants of Soqotri (Afro-Asiatic) and pharyngeal consonants in Mehweb Dargwa (Nakh-Daghestanian). Both studies are mostly descriptive aimed at finding the acoustic cues which differentiate the sounds and both are a joint effort by me and other researchers. We're still in the process of analyzing the data, but hopefully we'll submit the draft articles this year.

Considering the above, I think that my current research experience and interests aligns well with the topics of the two programs that I've picked.

What also fascinates me is that both programs will have a machine learning component to them. This is a topic that I'm keen to work on! To be honest, to date I only have basic understanding machine learning principles from my computer science classes back at MSU, but I do want to delve into it.

As I wrote before, I enjoyed the talks I gave at HSE, I still have a couple of English students and I love teaching and sharing my knowledge. This is one of the reasons I want to switch to academia, because my current employment does not give me opportunities to grow in this area.

The one thing I like to do the most is learning. Doing a PhD is going to be a turn in my life which I'm really excited about, because research is a never-ending process and that's what I'm really looking for.

I would welcome the opportunity to discuss my application further in an interview. Thank you for your time and consideration.

Kind regards,

Aleksandr

List of referees

- Michael Daniel, Visiting Fellow, University of Tübingen, Germany,
  Email: misha.daniel@gmail.com
- Alexandre Arkhipov, Research Fellow, Institute for Finnno-Ugric/Uralic Studies, University
  of Hamburg, research Coordinator, INEL Project, Email: sarkipo@mail.ru