

## EMPLOYMENT

<b>Graduate Teaching Assistant</b>	<a href="#">University of Houston</a>	<b>2019 - 2023</b>
<ul style="list-style-type: none"><li>• <a href="#">Statistical methods in research</a> (R, Python) Designed lab curriculum, instructed hands-on data analysis.</li><li>• <a href="#">Ubiquitous computing</a> (Swift) Implemented a system of interactive students' feedback and performance.</li><li>• <a href="#">Data Structures and Algorithms</a>, <a href="#">Introduction to Programming</a> (C++) Developed practical class materials.</li></ul>		
<b>Research Assistant</b>	<a href="#">Computational Physiology Lab</a>	<b>2019 - 2023</b>
<ul style="list-style-type: none"><li>• Focus: Human performance in complex systems emphasizing the application of Large Language Model (LLM)</li><li>• Led 3 research projects, examining laws underlying achievement in highly competitive environments.</li><li>• Architected and produced the probabilistic human performance estimation method and QC technique.</li><li>• Utilized fine-tuned LLMs to create and integrate solutions for classification and forecasting.</li><li>• Stack: R (tidyverse, dplyr, car, lme4, caret, MASS, shiny, ggplot2, plotly), Python (NumPy, Pandas, SciPy, PyTorch, Keras, TensorFlow), MySQL, PostgreSQL, GPT-3.5, Llama2, ALBERT.</li></ul>		
<b>Project Manager</b>	<a href="#">Luxoft</a>	<b>2018</b>
<ul style="list-style-type: none"><li>• Spearheaded software development in the Deutsche Bank Security and Authorization Department.</li><li>• Successfully managed the delivery of three major releases and led the execution of two Proof of Concept (POC) initiatives for new products.</li><li>• Communicated with, coached, and coordinated international employees (53 FTE in 4 countries).</li><li>• Tools &amp; Frameworks: Jira, Confluence, MS Office, Agile, Scrum, SDLC, PRINCE2.</li></ul>		
<b>Software Engineer</b>	<a href="#">General Satellite</a>	<b>2010 – 2017</b>
<ul style="list-style-type: none"><li>• Created and led Automation Department (4 FTE). Focus: CI/CD and Monitoring tools development.</li><li>• Developed four software/hardware products for Digital Video Broadcasting infrastructure monitoring.</li><li>• Stack: Python3, Celery, Tornado, Redis, Postgres, Bash, Debian GNU/Linux.</li></ul>		

## EDUCATION

<b>Doctor of Philosophy (Ph.D.)</b>	<a href="#">University of Houston</a>	<b>2023</b>
<ul style="list-style-type: none"><li>• Computer Science, CGPA: 3.87</li></ul>		
<b>Masters (M.S.)</b>	<a href="#">St. Petersburg Polytechnic University</a>	<b>2012</b>
<ul style="list-style-type: none"><li>• Mechanical Engineering</li></ul>		
<b>Professional Training</b>	<a href="#">ITMO, St. Petersburg Polytechnic University</a>	<b>2014 - 2015</b>
<ul style="list-style-type: none"><li>• Database Development and Administration, Python Software Development</li></ul>		

## LEADERSHIP ACTIVITIES AND AWARDS

- **Successfully completed:** [Google's Foobar](#) challenge, 2022
- **President of the Computer Science Graduate Students Association:** University of Houston, 2019 - 2021
- **Employee of the year:** General Satellite, 2016

## LANGUAGES, TECHNOLOGIES, AND FRAMEWORKS

- Python; R; SQL; C++; Swift; Bash; PowerShell.
- Git; Atlassian Jira/Confluence; Redmine; PyCharm; XCode; RStudio; OSF; Zabbix; Linux, Debian, MS Server.
- MLOps, LLMOps, LLM System design, DevOps, ITIL, SDLC, Agile, Scrum.

## PUBLICATIONS

- [CONFERENCE PAPER] Hasan, Tsiamyrtzis, **Zhukov**, Manser, Wunderlich, Pavlidis (2023) ACM CHI 2024.
- [CONFERENCE PAPER] **Zhukov** et al. (2022) Convergence in Affective Sciences, ISRE 2022, LA CA
- [IN PREPARATION] **Zhukov**, Tsiamyrtzis, Pavlidis (2024) Modeling of Competitive Human Performance
- [IN REVIEW] **Zhukov**, Pavlidis, Dukes (2023) Quantitative History of Affectivism
- [PUBLISHED] Zhukova, Li, **Zhukov**, Grigorenko (2023) Children, 10(8), p.1367.