

## EMPLOYMENT

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<b>Graduate Teaching Assistant</b>	<a href="#">University of Houston</a>	<b>2019 - Present</b>
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- [Statistical methods in research](#) (R, Python) Designed lab curriculum, instructed hands-on data analysis.
- [Ubiquitous computing](#) (Swift) Implemented a system of interactive students' feedback and performance.
- [Data Structures and Algorithms](#), [Introduction to Programming](#) (C++) Developed practical class materials.

<b>Research Assistant</b>	<a href="#">Computational Physiology Lab</a>	<b>2019 - Present</b>
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- Research focus: Human performance in complex systems
- Led a research project, examining laws underlying achievement in highly competitive environments
- Architected and produced the probabilistic human performance estimation method
- Leveraged automation and created tools to facilitate collection, processing, quality control and statistical analysis of the data

<b>Project Manager</b>	<a href="#">Luxoft</a>	<b>2018</b>
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- Spearheaded software development in the Deutsche Bank Security and Authorization Department
- Communicated with, coached, and coordinated international employees (53 FTE in 4 countries)

<b>Software Engineer</b>	<a href="#">General Satellite</a>	<b>2010 - 2017</b>
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- Laid foundation for and led Automation Department (CI/CD and Monitoring tools)
- Developed internal software/hardware solutions for Digital Video Broadcasting infrastructure

## EDUCATION

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<b>Doctor of Philosophy (Ph.D.)</b>	<a href="#">University of Houston</a>	<b>[Exp.] December 2023</b>
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- Computer Science, CGPA: 3.87

<b>Masters (M.S.)</b>	<a href="#">Peter the Great St. Petersburg Polytechnic University</a>	<b>2012</b>
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- Mechanical Engineering

## PROJECTS

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| • <b>REsponder</b> (2023) ChatGPT based email processor & generator.      | Python (openai_API, json, googleapi)   |
| • <b>iOrator</b> (2022) Real time speech recognition and recommendations. | Swift (UIKit, Speech, NaturalLanguage) |
| • <b>Scholar of the Day</b> (2020 - 2021) Interactive iOS application.    | Swift (UIKit, QuickLook, UserNotifi)   |
| • <b>HQC, heavy-tailed distributions QC</b> (2019) Data quality control.  | R (dplyr, ggplot2, plotly, powerLaw)   |

## LEADERSHIP ACTIVITIES AND AWARDS

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- **President of the Computer Science Graduate Students Association:** University of Houston, 2019 - 2021
  - **Employee of the year:** General Satellite, 2016
  - **Mentorship:** Mentored NSF grant recipient REU (Research Experiences for Undergraduates) student, 2021

## LANGUAGES AND TECHNOLOGIES

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- Python; R; SQL; C++; Swift; Bash; PowerShell.
  - Git; Atlassian Jira/Confluence; Redmine; PyCharm; XCode; RStudio; OSF; Overleaf (LaTeX); Zabbix.

## PUBLICATIONS

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- [CONFERENCE PAPER] **V.Zhukov** et al. (2022) Convergence in Affective Sciences, ISRE 2022, LA CA
  - [IN PREPARATION] **V.Zhukov**, P.Tsiamyrtzis, I.Pavlidis (2020) Modeling of Competitive Human Performance
  - [IN PREPARATION] **V.Zhukov**, I.Pavlidis, D.Dukes (2022) Quantitative History of Affectivism