Ignas Volčokas

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EDUCATION

Washington and Lee University   Lexington, VA, USA
*Major: B.A Economics; **GPA: 4.00/4.00***   *Sep 2021 – May 2025*
*2nd Major: B.Sc Computer Science; **GPA: 4.00/4.00***
Cummilative **GPA: 3.97/4.00**

Relevant coursework: Econometrics, Statistics for Economics, Economics of Social Issues, Economics of Global Public Health, Public Policy and Finance, Discrete Mathematics, Linear Algebra, Multi-Variable Calculus, Calculus II
Achievements: Dean's List 2021-22 and 2022-23; HooHacks Hackathon 2nd Place; Semester at Sea Full Scholarhip
Clubs: GenTech Club, Volleyball Club, Ping Pong Club, Amensty International.

United World College in Dilijan   Dijian, Armenia
*International Baccalaureate; **GPA: 41/45***   *Sep 2019 – May 2021*

SKILLS

Technologies: Microsoft Office, Excel, Stata, Git, GitHub, Unix, SciPy, Matplotlib, NumPy, AWS
Skills: Data Analysis, Econometrics, Research, Written and Verbal Communication, Proofreading
Coding Languages: Python and Java (*Proficient*); JavaScript, TypeScript, C++, HTML, CSS, Haskell, Bash

EXPERIENCE

Computer Science Teaching Assistant

Washington and Lee University   *Sep 2022 – Present, Part-time*
- Helping out in introductory programming courses. Answering student questions and guiding them in Python Labs and Office Hours. Mostly focusing on fundumental coding concepts and data structures. $\approx$ 6 hours a week.

Research Experience

Washington and Lee University   *Jun 2023 – Aug 2023, Full-time*
- 10-week research experience. Project titled: Applying Genetic Algorithms to Generating Cost-Effective Test Cases for Web Applications. Supervised by Prof. Dr. Sara Sprenkle. Currently working towards a Conference Paper.
- Implemented and Compared Hill Climbing, Simulated Annealing, Genetic and Greedy algorithms for automatic test case generation in Python. Generated and analyzed data. Libraries used: Pandas, Matplotlib, SciPy, NumPy.

Editorial Associate

Washington and Lee University   *Jan 2022 – Present, Part-time*
- Working for Prof. Dr. Krzysztof Jasiewic who was *EEPS* journal's Head Editor.
- Proofreading new issues of the Journal. Created a database with information from all previous published articles.

WRITTEN WORK AND PROJECTS

Research Paper: *Bang! Bang! Guns and Crime*
- Econometrics final project ($\sim$ 3000 Words); investigated the relationship between gun ownership and crime.
- Used linear regression models with multiple control variables. Constructed and cleaned the datasets. Worked with Stata software. Analyzed the limitations of the study and past literature

Research Paper: *The Impact of HDI on Rates of International Trade*
- Statistics for Economics final project ($\sim$ 3000 Words); investigated the relationship between country's HDI and international trade. Used linear regression model. Used descriptive statistics. Worked with Stata software.

Video Project: *Making Politics Work for the Working-Class*
- *Poverty, Empathy and Equity* class final project, $\sim$ 27 minutes video; investigated working-class people representation in politics.
- Looked into the the barriers of entry into politics, and the effect money has on politics through various mechanisms, such as Super PACs. Finally proposed some sollutions.