Boris Yakubchik

(848) 248 - 6473   dev.yboris.com   yboris@yahoo.com

Experience:

2018—today   **Data scientist** at **Forbes**. Created machine learning models to recommend relevant content to authors and to categorize articles according to business rules. Helped create the system for the front end to interact with all available 'AI' models.

2016—today   **Front end engineer** at **Forbes**. Added features and fixed bugs on a custom *WordPress* installation. Worked on creating a custom CMS to replace *WordPress*. Implemented numerous front-end systems (e.g. handling timezones, scheduling, animation, searching, data tables).

2016—2017   **Teaching Assistant** at **Rutgers Coding Bootcamp**: *JavaScript, Node, MySQL, jQuery, React*.

Summer 2015   **Full Stack Developer**: (*PHP*) created a website and backend for client to handle user registration, management, and administration. Developed custom PDF generation, OCR solution, and email notification pipeline. Designed and implemented a simplified workflow for the business to manage all data with searchable *DataTables*, automated data backups and Excel export.

2011 + 2015   **Programming teacher**: taught in high schools (*Visual Basic, Visual C++, JavaScript*).

2016   Sole **IT** staff of small private school; addressing all technology needs including maintaining servers, network, email system, etc. Performed mass deployment of hardware, OS, & software.

Projects:

2017—today   Created **Video Hub App** – *Angular* & *Electron* application for Win, Mac, & Linux to browse, organize, search and search videos. With >1,000 purchases; >100 stars & >30 forks on GitHub.

2019   Created **Simplest File Renamer** – *Angular* & *Electron* application for Win, Mac, & Linux to rename files as a batch using preferred text editor or app interface.

2019   Created **healthimpactfund.org** – a multi-language static website (*Gatsby.js*) for the nonprofit organization.

2019   Created **JSON-i18n-Editor** – an online interface (*Angular*) for a team to translate a website or any application using translation-standard JSON files.

2019   Created **incomeinequality.info** – a submission for (3rd place winner at) the United Nations Development Programme data visualization challenge. Performed custom data visualization (*Jupyter, Pandas, Matplotlib*) and created a GUI to let visitors compare data and generate their own graphs.

Previous   - Created *Karma Helpful Reporter* for better output for unit test results (now used at Forbes).
- Created *Gravity Wars* for Windows (*Visual C++*) and iOS (*Codea* with *Lua*).
- Created, migrated, and customized *WordPress* installations for clients.
- Created a *WordPress* theme that was downloaded over 40,000 times.

Talks:

March 2019   **O'Reilly Strata Data Science** (SF) conference talk about Machine Learning architecture.

September 2018   Data Science Salon (NY) conference talk about Machine Learning architecture.

Earlier 2018   "*Demystifying Machine Learning and Starting Today*" (Creative Coding NYC), "*Zero to Hero in Machine Learning with Keras*" (Deep Learning NYC), and Angular & Electron talk (Angular NYC).

Education:

2019   **Deep Learning Nanodegree** from Udacity.

2002—2011   **Ph.D.** student in **Educational Psychology**; **MA** degree in **Education**; **BA** degree in **Mathematics**, all at Rutgers University.

Technical Skills:

JavaScript, TypeScript, Python, PHP, MySQL, Angular, React, Node, Electron, Keras, Jupyter, Pandas, HTML, CSS

Personal:

Fluent in English and Russian. Interested in **programming**, **data science,** and **machine learning**. Spoke at TED*x*Rutgers. Was the president of the Rutgers chapter of *Giving What We Can*. Proudly a part of the *Effective Altruism* movement; donates at least 10% of his income to *Against Malaria Foundation*.