DANIIL ZHILYAYEV

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TECHNICAL SKILLS

- **Languages:** Python, R, SQL, JavaScript, HTML, CSS, C, C++, Scheme, Racket
- **Frameworks & Libraries:** Pandas, NumPy, SciPy, Scikit-Learn, TensorFlow, Seaborn, Flask, React, Angular
- **Technologies & Tools:** MySQL, PostgreSQL, Hadoop, Git, Docker, Anaconda, Jira, AWS, Cloud, Microsoft Office

EXPERIENCE

Mortgage Automator   Toronto, ON
Automation Analyst   *May 2021 – Sep 2021*

- Statistical Analysis: Built quantitative statistical models to reveal non-intuitive relationships between funding distribution, credit card processing, status filters, and terminated loans. Presented the findings in a report.
- Client Side Scripting: Automated custom document processes using Python and JavaScript. Worked alongside the DevOps and Data Science team when maintaining the infrastructure processes for new business lines.
- Data Driven Decisions: Collected and filtered data, analyzed the investor payout reports, evaluated various sale funnels, and contributed to the reconstruction of the current business model.

EduShare   Waterloo, ON
Software Engineer   *Sep 2020 – May 2021*

- Data Engineering: Found trends in data sets and developed algorithms to help make raw data more useful to the business processes. Was able to offer improvements on the business strategy and reduce the department operational expenses by 25%.
- Asymptotic Analysis: Routinely examined and tested code written by other developers, enhanced applications by identifying opportunities for improvement, and made recommendations on the design pattern of the system.
- Application Security: Delivered performance driven and user oriented website, ensured security and compatibility of the application to interact with multiple APIs.

Hover Hub   Toronto, ON
Software Developer   *Jun 2019 – Sep 2019*

- Back-end Development: Constructed algorithms for testing back-end elements, contributed to the reconstruction of the ETL pipeline, and pitched a more optimized data flow process to the HR manager.
- Front-end Optimization: Ensured scalability of front-end elements by optimizing them for loading speed and performance, achieved to cut the program run time by 35%.
- Object Oriented Design: Integrated software components into a fully functional software system with OOP principles. Troubleshooted, debugged, and upgraded existing app features for the e-commerce website.

Firefly, Inc   Richmond Hill, ON
Digital Marketing Specialist   *Dec 2019 – Mar 2020*

- Business Analysis: Accumulated sales data using web traffic metrics such as link popularity, click-through rates, and cost-per clicks. Successfully delivered the analysis through a presentation. Discovered various trends and relationships between user location, price of the product, targeted age group, and population density.
- Funnel Automation: Updated ineffective marketing strategies using customer feedback and user inactivity as indicators. Generated a successful email funnel by applying a sorting algorithm in Python, which served as a catalyst for growth in revenue by 15% and higher user volume on the website.
- Data Scraping: Actively mined data from the web using Python to offer optimization and improvement in product development, marketing strategies, and business techniques.

EDUCATION

University of Waterloo   **Grade Point Average: 3.8**
Bachelor of Mathematics, Data Science   *Expected Graduation: 2023*