

DANIIL ZHILYAYEV

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TECHNICAL SKILLS

- **Languages:** Python, R, SQL, JavaScript, HTML, CSS, C, C++, Scheme, Racket
- **Libraries:** Pandas, NumPy, SciPy, Scikit-Learn, TensorFlow, Matplotlib, Flask, React, Angular, Node.js
- **Databases/Tools:** MySQL, PostgreSQL, MongoDB, Redis, Apache, GIT, TDD, AWS, Azure, Google Cloud

EXPERIENCE

Mortgage Automator

Automation Analyst

Toronto, ON

May 2021 – Sep 2021

- **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.
- **Hypothesis Testing:** Built quantitative statistical models to reveal non-intuitive relationship between funding distribution, credit card processing, status filters, and terminated loans. Presented the findings in a report.
- **Data Driven Decisions:** Collected and filtered data using decision trees, analyzed the investor payout reports, evaluated various sale funnels, and contributed to the reconstruction of the legacy business model.

EduShare

Software Engineer

Waterloo, ON

Sep 2020 – May 2021

- **Application Security:** Delivered performance-driven and user-centric websites, ensured application security and compatibility to interact with multiple APIs and databases.
- **Web Optimization:** Rapidly prototyped new data processing capabilities to confirm integration feasibility into existing systems, while implementing SEO and AB testing strategies to improve effectiveness of marketing efforts.
- **UX/UI Design:** Directed software design and development across multifaceted team to meet client needs for functionality, timeline and performance.

Hover Hub

Full Stack Developer

Toronto, ON

Jun 2019 – Sep 2019

- **Algorithm Analysis:** Independently constructed algorithms for the purpose of testing pre-existing back end elements using C, accomplished to identify errors within the program and resolve the previously found issues.
- **Code Efficiency:** Performed quantitative analysis within the program, ensured scalability of front-end elements by optimizing them for loading speed and performance, achieved to cut the program run time by 30%.
- **Digital Interface:** Re-engineered designer's wire frame into website elements while adapting to a framework known as Flask, ensured reliability, security, and comprehensibility of the source code through documentation.

Firefly, Inc

Digital Marketing Specialist

Richmond Hill, ON

Dec 2019 – Mar 2020

- **Data Collection:** Actively mined data from the company's database using SQL to offer optimization and improvement in product development, marketing strategies, and business techniques.
- **Statistical Analysis:** Accumulated sales data using web traffic metrics such as link popularity, click-through rates, and cost-per clicks. Successfully delivered the gathered research through a presentation and comprehensive analysis done in R. Discovered various trends and relationships between user location, price of the product, targeted age group, and population density.
- **Automated Modeling:** Held responsible for updating ineffective marketing models 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 10% yearly and higher user volume on the website.

EDUCATION

University of Waterloo

Bachelor of Mathematics, Data Science

200 University Ave W, ON

Expected Graduation: 2023