

Matthew Sadecki

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SUMMARY

Multidisciplinary full stack web developer with a background in applied economics and data analytics. I hold a certificate in full stack web development from University of Toronto and have experience working with machine learning and building web apps. I enjoy learning about and creating new technologies.

TECHNICAL SKILLS

Languages: Python, Javascript, Java, C, C#

Technologies: Git, Node, React, React-Native, MySQL (SQL), MongoDB (NoSQL), .NET Framework

Web & Design: HTML, CSS, jQuery, Bootstrap, Media Queries, APIs, AJAX, Express.js, Balsamiq

Data Analytics: Knime, Tableau, Machine Learning, Python Libraries: Pandas, Scikit-learn, Seaborn

EXPERIENCE

Mobile Application Developer Intern, HSB BI&I May 2019 - Sept 2019

- **Machine Learning Project | Tech Stack:** *Python Libraries: pandas, scikit-learn, and seaborn*
 - Selected Kaggle datasets to challenge qualified candidates at IT recruiting event
 - Performed ETL processing on datasets, explored correlations, ran machine learning algorithms, created data visualizations, and created summarized analysis in documents
 - Managed and prioritized multiple concurrent cross-departmental tasks in preparation for recruiting event, and presented complex technical information to non-technical staff
- **Progressive Web App Project | Tech Stack:** *Ionic, React Native, Microsoft Power Apps*
 - Developed proof-of-concept apps using popular frameworks to test the viability of required features and presented findings to IT team using matrix style comparisons
 - Performed unit testing on a mobile inspection app used by equipment inspectors

Business Owner, Ivespark Solutions May 2018 - Present

- **Tutoring | gradementor.com | Tech Stack:** *Wordpress, CSS, PHP*
 - Tutored K-12 and University students in Math, Physics, and Computer Science
- **Web Development | getmoreclients.ca | Tech Stack:** *HTML, CSS, Node.js, Express.js*
 - Met with clients to gather requirements, outline schedules, and present wireframes
 - Deployed mobile responsive and seo optimized websites onto linux servers using PuTTY

Tutor, Medlife Queen's Sept 2016 - April 2018

- Prepared students for calculus and physics exams in a lecture hall by taking up past exams
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PROJECTS

LeadGen | github.com/sadecki558/leadgen | Tech Stack: *React-Native, MySQL, FireBase, Socket.io*

- LeadGen is a cross platform mobile application that is intended to help users find and chat with potential contractors. LeadGen is a functioning React-Native chat application with live chat.

Telco Customer Churn | matthewsadecki.com/data/report.pdf | Tech Stack: *Knime, Python*

- Performed ETL processing on Telco customer data using python script
 - Explored correlations, ran machine learning and data clustering algorithms using Knime to understand and predict customer behaviour with the goal of retaining customers
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EDUCATION

B.A. (Honours): Applied Economics, Queen's University Sept 2015 - April 2020

- Relevant Coursework: Econometrics, Data Analytics, Data Structures, Java, Python, C, Financial Risk Management, Cost-Benefit Analysis, Statistics, Labour Economics, Health Care Economics

Full Stack Web Development, University of Toronto May 2018 - Nov 2018

- Built frontend and backend of websites (MySQL/MongoDB, Express.js, React.js, Node.js)
- Worked in a team to develop apps while applying version control and issue tracking (Kanban)