MATTHEW SADECKI

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HONOURS APPLIED ECONOMICS MAJOR
Learn more @ **matthewsadecki.com**

ABOUT ME

Languages: Python, Javascript, Java, R, C   **Technologies:** Git, Node.js, React.js, Databases, Stata
Web & Design: HTML, CSS, jQuery, Bootstrap, Media Queries, APIs, AJAX, Express.js, Balsamiq

WORK EXPERIENCE

Mobile Application Developer Intern, HSB BI&I   May 2019 - Aug 2019
- **Machine Learning:**
  - Developed timed data analysis challenges for an IT recruiting event (with example solutions for staff) using kaggle datasets which challenged candidates and teams on:
    - Predicting reasons for bus breakdowns and delays
    - Discovering insights from animal shelter datasets to help save more lives
  - Took part in phone interviews to ask technical questions related to machine learning
  - Summarized talks from TMLS Machine Learning Micro-Summit, and prepared a presentation for the IT team with a focus on actionable use cases
  - Introduced the IT team to GUI-based data science tools such as Knime and RapidMiner
- **Mobile Apps:**
  - Investigated popular frameworks (e.g., Ionic, React Native, Microsoft PowerApps)
  - Developed small proof-of-concept apps to test the viability of required features
  - Created a report of findings with matrix style comparisons
  - Performed unit testing on a mobile inspection app used by equipment inspectors

Business Owner, Ivespark Solutions   May 2018 - Present
- Created a cash flow statement with sensitivity analysis to predict future cash flows
- **Tutoring | gradementor.com**
  - Tutored K-12 and University students in English, Math, Physics, and Computer Science
- **Web Development | getmoreclients.ca**
  - Met with clients to gather requirements, outline schedules, and present wireframes
  - Developed mobile responsive and seo optimized e-commerce websites

Tutor, Medlife Queen's   Sept 2016 - April 2018
- Prepared students for calculus and physics exams in a lecture hall by taking up past exams

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)

COMPETITIONS AND PERSONAL PROJECTS

Options Trading Simulation, Montréal Exchange   Oct 2019 - Dec 2019
- Used fundamental and technical analysis, in conjunction with risk management techniques to develop trade ideas during competition against undergraduate students across Canada