Munir Abdinur

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SKILLS

PROGRAMMING
Proficient:
- Python • VBA • MySQL • MS Access
- JavaScript

Intermediate:
- Excel • C++ • Java • HTML
- CSS • NodeJS

Beginner:
- Scala • Bash • React Native

LINKS

Github:// **mabdinur**
LinkedIn:// **munirabdinur**
My Website:// **munirabdinur.me**

EDUCATION

UNIVERSITY OF WATERLOO
BASc in Systems Engineering
Expected June 2021 | Waterloo, ON

AGILE WORKFLOW SEMINAR
Implementing Agile Principles
March 2017 | Toronto, Ontario

AWARDS

AP National Scholar
98th percentile

UW Entrance Scholarship
2016 $5000

Waterloo Engineering Competition
2017 1st/50

WEC Consulting
2017 1st/13

TDSAA Swim - Regional Champion
2015, 2016

ACTIVITIES

SPORTS
Competitive Swimming
Intramural Basketball
Varsity Soccer (HS)

INTERESTS
Roman History
Stoic Philosophy
Student Advocacy
Lincoln-Douglas Style Debates

EXPERIENCE

TORONTO TRANSIT COMMISSION | Software Developer
September 2017 – December 2017 | Toronto, ON
- Developed a desktop application to standardize travel alerts which **improved the user experience of millions** of commuters across Toronto
- Analyzed TTC train arrival patterns using Python, Pyplot, SciPy, and Sqlite to make data driven decisions which **enhanced the reliability** of the system **by 30%**
- **Designed** a production **database** to store vehicle routing, travel times and alert logs

INITIUM LABS, SEARS | Software Engineer
January 2017 – April 2017 | Toronto, ON
- Developed a routing and carrier selection application for Sears **e-commerce** site
- Created a sales fulfillment application using Java, Maven and Apigee which **recovered over $100 000** in misplaced orders
- Debugged Sears **payment gateway** to improve the reliability of order fulfillment

DIGISHOP | Software Developer
November 2017 – Present | Waterloo, ON
- Used **React Native** to develop a cross-platform application to address a lack of standardization and poor IT infrastructure in the nail and spa industry

ENGHACK | Project Manager
January 2017 – May 2017 | Waterloo, ON
- **Acquired $18 500 in sponsorships** to plan a 2-day event hosting **300 hackers**
- Used a project timeline to ensure **logistical concerns** were addressed on schedule
- **Presented** hackers and sponsors with a package detailing event protocols

WATERLOO ENGINEERING COMPETITION | Consulting Director
September 2016 – November 2016 | Waterloo, ON
- **Researched and designed** a comprehensive **SpaceX case study** to present to 40 competitors at the Waterloo Engineering Competition

PROJECTS

MC ENCRYPTION | Software Security
- Designed **communication protocol** to encrypt Morse code signals using symmetric-key **cryptography**, and transmit data using timers and interrupts

NBA ANALYTICS | Effects of Home Field Advantage
- Calculated and analyzed **advanced NBA metrics** (TS%, ORTG, DRTG, WIN%) across 1600 games to identify significant trends in in home and road records
- Used web scraping modules to assemble and **run significance tests on NBA data**
- Designed a **database schema** to efficiently store and retrieve data

QUETUBE | Mobile Application
- Built a mobile application with React Native to **automate the download of videos** on my phone based on my viewing habits
- Experimented with **recommendation algorithms** to continuously update playlists

ROBUSTIC | Project Manager
- **Designed a robot** that transformed color coded signals into musical notes
- Coordinated with the software, electrical and mechanical teams leads to **build and integrate all systems** within a six week time frame