

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 | DEVELOPER

September 2017 – December 2017 | Toronto, ON

- Developed a **cross platform application** to standardize travel alerts which **improved the user experience of millions** of commuters across Toronto
- Analyzed TTC train arrival patterns using python 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 app which **recovered over \$100 000** in misplaced orders
- Debugged Sears **payment gateway** to address customer pain points

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** across 1600 games to identify significant trends 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 an Android application with React Native to **automate the download of videos** on my personal device using 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