Munir Abdinur
SYSTEMS DESIGN ENGINEERING

SKILLS

LANGUAGES
• Ruby • Python • JavaScript
• Java • C++ • PHP

FRAMEWORKS
• React Native • Rails • NodeJS
• jQuery • Spring • Bootstrap

CONTACT

Github:// **mabdinur**
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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
Basketball

EXPERIENCE

FULL-STACK DEVELOPER | Brisk Synergies
May 2018 – Present | Montreal, QC

- Created a rails application to analyze high risk conflicts on major traffic arteries
- Conducted user testing with transportation agencies to highlight UX pain points
- Identified key risk indicators using types of road users, speeds and path trajectories
- Visualized findings using Bootstrap and Google Charts

FULL-STACK DEVELOPER | Toronto Transit Commission
September 2017 – December 2017 | Toronto, ON

- Developed a desktop app to standardize all TTC travel alerts using VBA, Access and Excel Forms which helped improve the user experience of millions of commuters
- Analyzed TTC train arrival patterns using Python, Pyplot, SciPy, and Sqlite to make data driven decisions regarding train scheduling
- Designed a production database to store vehicle routing, travel times and alert logs

FULL-STACK DEVELOPER | Initium Labs
January 2017 – April 2017 | Toronto, ON

- Developed and integrated a routing and carrier selection application for Sears Canada using Java, Spring and Apigee
- Used nodeJS to automate the recovery of thousands of dropped orders

SOFTWARE DEVELOPER | Digishop
November 2017 – March 2018 | 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

PROJECT MANAGER | EngHack
January 2017 – May 2017 | Waterloo, ON

- Acquired $18 500 from sponsors to plan a 2-day event hosting over 450 hackers
- Coordinated scheduling, catering, and a career fair with a team of 8 volunteers

PROJECT COORDINATOR | Waterloo Engineering Competition
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

SOFTWARE SECURITY | MC Encryption

- Designed communication protocol with C++ to encrypt Morse code messages using symmetric-key cryptography, and then transmit signals 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 hypothesis tests on NBA data
- Used Scikit-learn to predict future trends in win/loss, offensive rating and 3pt%