





# Mufeez Amjad

Software Engineering, University of Waterloo

mufeez.me 

mufeez-amjad 

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mufeez.amjad@uwaterloo.ca 

## SKILLS


Languages: Python, C, C++, Java, JavaScript, Scala, SQL

Technologies: Flask, AWS, Airflow, Node.js, React, TypeScript, GraphQL, SQLAlchemy, Postgres, NoSQL

## WORK EXPERIENCE

- **Infrastructure Engineer Intern - Integrations | Tatari** Sep - Dec 2020 | Remote
  - Introduced event filtering to ETL pipeline with *Python chained iterators* yielding a **17% increase in attribution accuracy**
  - Drove an upgrade of event attribution integrations using *AWS (API Gateway, Redshift, Kinesis, and Lambda)* and *Datadog*
  - Implemented statistical event anomaly detection DAG using *Airflow* with **94% accuracy** against backtested anomalies
- **Backend Engineer Intern - Media Buying | Tatari** Jan - Apr 2020 | New York, NY
  - Created end-to-end features for new booking platform **driving millions of dollars in weekly ad spend** with *Flask & React*
  - Ideated and designed a dashboard by conducting user interviews and aligning key stakeholders across 3 teams
  - Independently created a KPI dashboard **used by over 45% of the company** with *React, Apollo Client, Graphene, and Flask*
  - Leveraged *SQLAlchemy* ORM events to extend support for audit versioning to include a paper trail with user attribution
  - Optimized API endpoints using *GraphQL* and *graphql* connections resulting in a **93% decrease (7s) in page load times**
- **Software Engineer Intern - Ecommerce | KitchenMate** May - Aug 2019 | Toronto, ON
  - Re-engineered the creation of printed labels using *AWS Lambda*, **processing data 78% faster and halving server boot up**
  - Devised a graph search SQL algorithm to aggregate the cost of ingredients, driving a **37% decrease in food costs**
  - Created a meal recommendation system factoring in dietary preferences and past orders, increasing daily orders by 8%

## PROJECTS

-  **Stellar Tip | Node.js, Express, jQuery, AJAX, Stellar Blockchain**  
*Chrome Extension for contributing to content creators*
  - Dynamically embedded buttons with wallet signing protocol on webpages using *jQuery, Node.js*, and multiple APIs
  - Featured on **Stellar's Twitter** and podcast in addition to **winning Stellar Community Fund** (more details in Awards)

## AWARDS

- Stellar Tip - Winner of Stellar Community Fund, **received ~\$100,000 USD** for development of open source project
- Auxilium - Top 10, Social Good, and Twilio API prizes out of 300+ teams @ PennApps XX
- Other hackathons - Best Use of Stellar API @ HackNYU, Best VR Hack @ Red Bull AdrenaLAN, Top 10 Hack @ HackThe6ix
- City of Pickering Civic Award - Awarded \$1000 for outstanding community service and achievements

## EDUCATION

University of Waterloo | **Candidate for Bachelor of Software Engineering (B.SE.)** Sep 2018 – Present (Junior)  
*Double Minor: Combinatorics & Optimization and Computational Math*

Relevant Coursework: Data Structures & Algos, Databases, Operating Systems, OOP, Intro to Compilers, Cryptography

*Design devotee • Cryptocurrency connoisseur • Startup supporter • Badminton buff*