

# Rabeea Ahmad

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3A Computer Engineering

## Skills

### Languages

Rails, Node.js, Java, C++, Python  
HTML/CSS  
Learning: Rust

### Databases

MySQL, MongoDB, PostgreSQL

### Frameworks

Strongloop, Restify, Angular.js

## Education

### University of Waterloo

**B.S.** Computer Engineering 2020  
Relevant Courses: Operating Systems,  
Compilers, Algorithms and Data Structures,  
Probability and Statistics

## Projects

### Cliqur 2016

Developed a real-time web and mobile platform for student-teacher interactions using Node.js and Meteor  
One of 10 finalists and won 'Best Education Hack'

### Highlights Present

Wrote a Python script to store all highlighted notes from iBooks into sqlite and email one everyday

### Rust Parser Present

Created a simple parser in Rust to interpret basic expressions and perform order of operations  
Defined my own grammar and context free language

## Experience

### Shopify

*Developer Intern on Payments Winter 2018*

Refactored core code to add multicurrency functionality for Shopify Payments in Rails and MySQL

Developed cache logic to store and update exchange rates and handle errors during checkout

Created feature for multicurrency refunds and fees and helped with designing rounding rules

### TradeRev

*Software Developer Summer 2017*

Developed and deployed internal analytics platform used by over 150 salespeople in Grails, MySQL and Angular.js

Created queries to aggregate thousands of records of trade data and performed calculations to process data

### Nanopay

*Full Stack Developer Fall 2016*

Piloted early stage analytics project and created queries in MsSQL to aggregate transactional data

Participated in infrastructure design meetings to expand analytics platform using Kafka

Integrated Freshbooks to create, update and invoices and added payment functionality through encrypted QR codes

Wrote script in Node.js to analyze unredeemed money to catch fraudulent behaviour

### Conrad Centre for Entrepreneurship

*Full Stack Developer Winter 2016*

Constructed filter and group-by database algorithms in Node.js to categorize thousands of MongoDB records

Visualized analytics dynamically using D3 and Angular.js

Optimized and refactored code which increased speed and efficiency by 9%

Contributed to major analytics remodel within the first 2 weeks

Worked with Dropbox, Box and Google Drive APIs to sync user files and integrated OAuth2 for each