# Ivan Zaytsev

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## OBJECTIVE

To obtain an internship with fast-paced and innovative company, working on challenging projects utilizing cutting-edge technologies. Back-end preferred.

## EDUCATION

**University of North Carolina at Charlotte** | Charlotte, NC                                       Spring 2021
*Bachelor of Science, Computer Science*                                                                   ***GPA: 3.75***
*Bachelor of Arts, Mathematics*
**Coursework:** Data structures and Algorithms, Java programming, Database design and implementation, Calc 2, Linear algebra, Probability and Statistics

## SKILLS

**Programming languages:** Java, mySql
**Tools:** Linux**,** git, Eclipse, XAMPP, Mysql server, mySQl workbench
**Other:** fluent in Russian

## PROJECTS

**MySql Mentor Student database (2018):** Created a MySQL database for a class project. Planned the implementation with a EERD (Enhanced Entity relation diagram) based on specifications provided by the instructor. Features implanted in the database were triggers, stored procedures, indexing (to optimize query retrieval), and views. While working on this project I learned the basics of entity relational databases and the MYSQL language. Utilized tools like XAMPP and MYSQL workbench (IDE) to create the database.

**Linked and Priority Queue project (2019):** Created a simulation of a line at a grocery store. This was implemented by creating a linked list and the modified to use a max heap for insertions and deletions. The simulation ran for multiple iterations to model an extended period of time. Each iteration had a 25 percent chance to add another customer object to the queue and each customer object had a randomized service time (1-5 iterations) to represent time spent at the checkout. The program logged events such as customers joining the queue and customer leaving the store. Run-time visual representation of the current queues were depicted via simple ASCII graphics.

**Java programming Projects(1-3)(2017):** Created class projects that demonstrated basic Java syntax, sorting algorithms (bubble and binary sort), reading files, basic data structure (linked lists and arrays). The project read a file and created multiple objects based on the information stored in the file. It then added them to an array and sorted the contents on this array.

## PROFESSIONAL AND VOLUNTEER EXPERIENCE

Coder Kids | **Enrichment Program Tutor** | Charlotte, NC                                 March 2019 – current
*Teaching children ages 7-12 programming fundamentals*

Men's Shelter | **Kitchen Staff** | Charlotte, NC                                               Jan 2017 – Apr 2017
*Served and cooked meals to feed the homeless.*

Central Piedmont Community College | **Office Assistant** | Charlotte, NC              May 2017 – Dec 2017
*Did clerical work in the art department, which included data entry and graphic design.*