

# Preston Zacha

Dallas, TX | [LinkedIn](#) | [GitHub](#) | 214-299-0681 | prestonzacha@gmail.com

## EDUCATION

### University of Texas at Dallas

BS in Computer Science

Richardson, TX

Graduation Date: August 2023

- Organizations: Association for Computing Machinery, Artificial Intelligence Society

## WORK EXPERIENCE

### Canine Innovations

Software Engineer Intern

Richardson, TX

January 2023 - May 2023

- Developed CRUD functions to use with Firebase and MongoDB
- Implemented custom API to communicate with Firebase and custom hardware
- Obtained first hand experience with the SCRUM sprint cycle, and developed professional communication skills

## KEY SKILLS

Technical Skills:

August 2019 – Present

- |            |                     |               |                |         |
|------------|---------------------|---------------|----------------|---------|
| - Java     | -Node.js            | - Github      | -MySQL         | -HTML   |
| - C, C++   | - R                 | -Linux/Unix   | -MIPS Assembly |         |
| - Python   | -SQL                | -Scikit-learn | -Postman       | -Docker |
| - Firebase | -Project Management | -MongoDB      | -Numpy         |         |

## TECHNICAL PROJECTS

### Naïve Bayes Machine Learning Model

Language Used: C++

Spring 2023

- Built a Naïve Bayes machine learning model from scratch in C++. Used a titanic data set to make predictions on whether a passenger survived or not.

### Team Project Chess

Language Used: Java

Fall 2022

- Developed with a team of 5 students local multiplayer chess.
- Managed the team by hosting meetings and weekly status reports.

### Ultimate Tic Tac Toe

Language Used: Java

Fall 2020

- Built an Ultimate Tic Tac Toe game from scratch.
- Used Java and implemented several object oriented design techniques.
- Allowed for local multiplayer or human vs machine.

## PROFESSIONAL SUMMARY

My objective is to earn an internship position for the summer of 2023. I'm a highly motivated computer science student with a focus on software engineering. I'm passionate about technology with a knack for finding efficient solutions to coding problems. I am determined to be a top performer and willing to relocate for the right internship.