

# Zumaad Khan

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Boston, MA 02115

## EDUCATION

Northeastern University, Boston, MA

Sept 2017-present

Khoury College of Computer Sciences

Candidate for a Bachelor of Science in Computer Science

**Related Courses:** Object Oriented Design, Algorithms and Data, Artificial Intelligence, Database Design

## TECHNICAL KNOWLEDGE

Languages: Python, Java, Javascript, SQL

Frontend: React, Javascript, HTML, CSS, Bootstrap

Backend: Django, Python, mySQL

Devops: AWS Elastic Beanstalk, AWS RDS, AWS S3

Other: Git

## PROJECTS (non-academic)

**Code:** [github.com/zumaad](https://github.com/zumaad) **demos:** [www.zumaad.me](http://www.zumaad.me)

**SchedulingFor.me** - [Web] [Python | Django | mySQL | AWS RDS | React | Javascript]

**December - January 2018**

- Created an online scheduler/time-management tool with data persistence, user authentication, and a highly dynamic UI which **significantly cut down my planning time per day**
- Users can specify a hierarchy of tasks, set deadlines, **receive email notifications of tasks**, track progress, and sort tasks based on priority/deadline date
- Built frontend/UI with **React**
- Designed and implemented backend with **Django, mySQL (deployed with AWS RDS for data persistence)**
- **Demo : SchedulingFor.me**

**Gym navigator** - [Web, Database Design] [Python | Django | mySQL | SQL | AWS RDS]

**December 2018**

- Developed a tool to help newcomers at my university gym locate equipment by returning custom-made floor plans and pictures of equipment for over 70 pieces of equipment
- Written in Python using **Django** backed by **mySQL**
- **Demo: [www.zumaad.me/marino-navigator](http://www.zumaad.me/marino-navigator)**

**Tweetlyze.info** - [Web, Data Science] [Python | Django | Bootstrap | AWS Elastic Beanstalk]

**August - November 2018**

- Utilized twitter api to get tweets and used natural language processing and statistics to analyze users' tweets and provide a more human look at twitter usage through **15 different data visualizations across 3 broad metrics: sentiment, general statistics, and interactions**
- Created backend in **Django**
- Deployed with **AWS elastic beanstalk** and used S3 as a CDN.
- **Demo: [tweetlyze.info](http://tweetlyze.info)**

**Runescape-Investment-Tracker** [Python | SpeechRecognition API | Pytsx3]

**July 2018**

- Developed a tool for aiding arbitrage on virtual commodity markets with in-game currency(exchangeable with USD) and **boosted my profits 20-30%**
- Integrated speech to text for updating/adding/tracking investments done using wrapper for google web speech API
- Implemented a speech-based UI so it could give information by reading investments out loud
- **Demo: [www.zumaad.me/investment-tracker](http://www.zumaad.me/investment-tracker)**

## WORK EXPERIENCE

**East Jefferson Hospital** - Helped pharmacists by delivering medicine around the hospital

**4 months**

**SUNO stem camp** - Taught students to build/program robotic systems

**3 weeks**

## INTERESTS

Chess, weightlifting, virtual investing