

# Jaskeerat Brar

COMPUTER SCIENCE · MATHEMATICS

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## Education

### University at Buffalo, The State University of New York

Buffalo, New York

BS COMPUTER SCIENCE & MATHEMATICS BA - COMPUTING & APPLIED MATHEMATICS CONCENTRATION.

Anticipated May 2020

• Coursework: · Data Structures in C++ · Algorithms · Machine Learning · Applied Probability & Statistics · Differential Equations

## Experience

### Network & Classroom Services

University at Buffalo

NETWORK OPERATIONS ASSISTANT

May 2017 - Present

- Developed perl scripts for switches, console servers and master controllers.
- Configured, installed and analyzed data performances of access points installed across 3 university campuses.
- Implemented network security procedures for the network & performed extensive troubleshooting for IT operations.

### Teaching Assistant

University at Buffalo

CSE 199, DEPARTMENT OF COMPUTER SCIENCE

Jan 2017 - May 2017

- Teaching assistant for a class of 300 computer science students.
- Led recitations and held office hours to help students with coursework.

### Soccer Referee

University at Buffalo

RECREATION AND INTRAMURALS

December 2017 - May 2017

- Officiated soccer games in a fast paced environment.

## Projects

### Palatable

UB HACKING 2018

- An iOS application which integrates *NY Times API* and *Wegmans API* for its functionality .
- User gets to pick recipes from a cuisine of their choice. Based on user input, app outputs breakdown of prices of ingredients available from Wegmans.
- Managed back end operations which included data parsing and integration of API's. Extensively used NodeJS, MongoDB & Google Cloud Platform.

### Software Development

- *KMER: DNA Sequencer*: Built a program which processes DNA sequences & applies base conversions for faster query results.
- *Fractal Visual Generator*: Collaborated with a team of three towards developing a fractal visualization software.
- Built a single-player tile matching game like Candy Crush by applying good software design & model-view separation principles.

## Skills

Programming Since

C++/C · PYTHON · JAVA · NODEJS · VERILOG · ANDROID · SWIFT · MONGODB · CSS

PYTHON PANDAS · GOOGLE CLOUD PLATFORM · AMAZON SUMERIAN

2015

## Involvement

### HACKATHONS / CLUBS

**Winner**, Best use of Wegmans API (UB Hacking 2018)

**Hackathons**, UB Hacking 2016 & 17 · Dandy Hacks 2018 · Brick Hacks 2018

**Member**, Association of Computing Machinery · Scientista · Badminton Club