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 · R · SQL · NODEJS · BASH · MONGODB · CSS · VERILOG · LaTeX SWIFT · ANDROID · 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