
Akash Kaul

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EDUCATION

Washington University in St. Louis

Expected Graduation May 2022

Candidate for Bachelor of Science in Computer Science

- GPA: 3.96/4.00
- Dean's List (Fall 2018, Spring 2019)

Relevant Courses:

- Intro to Computer Science (CSE 131), Intro to Computer Engineering (CSE 132), Data Structures and Algorithms (CSE 247), Logic and Discrete Mathematics (CSE 240), Matrix Algebra (MATH 309), Probability and Statistics (ESE 326)

Wayzata High School

Plymouth, MN

Diploma, June 2018

Professional Experience

Data Science Intern

Virtual Internship

Futurist Academy

May 2020-Present

- Created full-stack applications using Python
- Worked extensively with graph databases (TigerGraph), particularly with biological and health-related applications
- Learned about Machine Learning techniques and practices in Python (i.e. TensorFlow, PyTorch, NLP with BERT & spaCy)

Research Assistant

Minneapolis, MN

Hennepin Healthcare

June 2019-Present

- Looked at national trends in adolescent marijuana usage reported in the National Survey on Drug Use and Health
- Used statistical programs to measure how health markers and hospital visits varied with the level of marijuana use

Summer Intern

Minneapolis, MN

Hennepin Healthcare

June - August 2019

- Worked with the Offices of Work-Life Balance and Clinical Informatics to design an app to measure clinician burnout
(Patent Pending)
- Features included survey questions to judge burnout, just-in-time notifications, gamification to promote usage
- Focused on making mock-ups, diagramming the UI, gathering feedback from physicians

Research Assistant

Minneapolis, MN

University of Minnesota, Twin Cities – Department of Astrophysics

October 2017-April 2018

- Employed computational methods to study the evolution of fluid plasma in galaxy cluster mergers
- Used programs to extrapolate 3-D movie models of the cluster fluid from telescope pictures

Volunteer Experience

Hospital Greeter/Escort

St. Louis Park, MN

Methodist Hospital

June 2015-August 2018

- Responsible for greeting visitors at the front desk, transporting patients, delivering packages

After School Volunteer

St. Louis, MO

LifeWise STL

September 2018-November 2019

- Participated in games and activities with underprivileged kids in the local area

Skills

Programming/Scripting Languages

- Proficient in Java, C++, Python, Dart, GSQL
- Experience with HTML, CSS, JavaScript, MATLAB, SQL

Experience with REST APIs & Web Services

High level knowledge of Graph Databases

Operating Systems – MacOS, Windows, Linux

Microsoft Office – Excel, Word, PowerPoint

Strong Interpersonal Communication Skills

Attention to Detail and Quality