

Adam Janicki

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Education

Massachusetts Institute of Technology (MIT)

Expected Graduation May 2023

Candidate for Bachelor of Science in Computer Science & Engineering

Cambridge, MA

Courses: Fundamentals of Programming, Intro to Algorithms, Computation Structures, Mathematics for Computer Science

George Mason High School

2015 - 2019

GPA: 4.33

Falls Church, VA

Relevant Courses: AP Computer Science, IB Computer Science, AP Calculus BC, IB Mathematics, IB Physics

Skills

Programming: Python (3 semesters of coursework), Java (two years of experience), JavaScript (React & NodeJS) (one year of experience), Swift (one year of experience)

Work Experience & Projects

MIT Department of EECS

September 2020 - Present

Lab Assistant for Intro to Python

Cambridge, MA

- Review code line by line, and guide students as they debug programs; support 5-15 students per session
- Teach students programming skills such as using data structures, searching, sorting, recursion, and pathfinding
- Help instructors to create problem sets teaching students about image processing; test & debug assignments

MIT Civic Data Design Lab

June 2020 - September 2020

Computer Science Research Assistant (Python)

Cambridge, MA

- Scraped data from nytimes.com to identify and analyze key issues addressed by the New York City Council
- Utilized NMF, a machine learning topic modeling algorithm to process scraped data
- Transformed large cell phone data files into useful street population data using Apache Spark
- Programmed components for backend database analyzing constituent responses and identifying patterns

Fanvision: Independent Project

January 2021

- Used React & NodeJS to create a dynamic, responsive, and user-friendly website for NBA fans
- Developed web scraper to periodically scrape NBA game scores, and update site so users can predict NBA games
- Built UI to enable users to enter in their predictions for daily NBA games, view other user profiles, and view player standings

Adamovies: Independent Project

February 2021

- Utilized React & NodeJS to build a movie and TV show review site
- Used Mongoose to connect to MongoDB & store dynamic information such as users, reviews, and user comments
- Created real-time commenting by updating comment threads using sockets

Activities & Awards

MIT Swim Team

September 2019-Present

- Awarded with NCAA All-American in March 2020

Amphibious Achievement

September 2019 - Present

- Volunteer: coached swimming to and tutored high school students with insufficient resources