Adam Janicki

703-884-7877 • Falls Church, VA • ajanicki@mit.edu • github.com/adamjanicki2

Education

Massachusetts Institute of Technology (MIT)   Expected Graduation May 2023

Candidate for Bachelor of Science in Computer Science & Engineering   Cambridge, MA

GPA: 5.0

Courses: Software Construction, Fundamentals of Programming, Intro to Algorithms, Computation Structures, Intro to Machine Learning, 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 (2 years of coursework), Java (two years of coursework), JavaScript (React & NodeJS) (one year of experience), C/C++ (one semester of coursework)

Work Experience & Projects

Capital Technology Group   June 2021 - August 2021
Software Developer Intern   Remote, US
- Develop website to display an interactive machine learning analysis of regulations.gov dockets
- Focus on backend development using FastAPI in conjunction with SQLAlchemy & PostgreSQL
- Aid in frontend development using Next.js & React, along with D3 to render analyzed data

MIT Department of EECS   September 2020 - May 2021
Lab Assistant for Intro to Python   Cambridge, MA
- Reviewed code line by line, and guide students as they debug programs; support 5-15 students per session
- Taught students programming skills such as using data structures, searching, sorting, recursion, and pathfinding
- Helped instructors to create problem sets teaching students about image processing; test & debug assignments

MIT Civic Data Design Lab   June 2020 - January 2021
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

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