Noah J. Naiman

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EDUCATION

Boston University, Boston, MA   Expected Graduation, May 2020

Major: Computer Science

GPA: 3.5

Relevant Coursework: Data Structures | Computer Systems Fundamentals | Discrete Mathematics | Probability in Computing | Algebraic Algorithms & Modular Arithmetic | Analysis of Algorithms | Cybersecurity

SKILLS

Programming Languages: Python | C/C++ | JavaScript | Java

Miscellanea: Command Line Interface & Shell Scripting | Node.js | SQL | MongoDB | Git

PROJECTS

Aliquator:

Independent Project

- Web-app where students can enter mathematical units from any topic, returning all equations using them.
- Engineered server using Node.js and Express, utilizing Pug for HTML templating and JQuery for data parsing.
- Integrated MongoDB and Java for database of equations to be queried by server.

The Notorious A.L.E.X.A:

HackUmass 2017 Project

- Amazon Alexa skill to make Alexa freestyle rap in the style of a given decade.
- Lyrics were web-scraped using a python script taking advantage of the Beautiful Soup library.
- Scraped lyrics used to train a Keras neural network, creating a model for each decade of rap.
- Back-end application was written in python utilizing Flask and ngrok.

EXPERIENCE

BostonHacks Hackathon (Fall 2017 – Present)

Organizer

- Worked with an executive team through Boston University to help organize a hackathon of 400+ students.
- Helped create live website used by participants during event.
- Developed workshops for participants in topics including Web and Mobile Development, Machine Learning, and Virtual/Augmented Reality.

Student Tutor (Fall 2017 – Present)

- Met with students for weekly tutoring sessions in data structures, algorithm design and analysis, various other computer science topics.

Boston University Computer Science Mentor Program (Fall 2017 – Present)

Program Founding Member

- Met with mentees weekly to help integrate them into the Boston University Computer Science community.
- Tutored mentees for their Computer Science classes and ran workshops on topics of interest. Topics include: Basics in Computer Science, Git and Github for version control, using Node.js to create web-apps.

0xBU Cyber Security Club (Fall 2016 – Present)

Vice President

- Studied various cybersecurity topics at weekly meetings and workshops such as Web Security, Reverse Engineering, and Cryptography.
- Competed in weekly online Capture the Flag competitions including MITRE CTF, CSAW CTF, BACKDOORCTF.