

Jack Denson

Boston, MA | denson.ja@northeastern.edu | www.linkedin.com/in/jack-denson

EDUCATION

Northeastern University, Boston, MA

Aug 2019 - Expected May 2023

- Khoury College of Computer Science , Honors
- Candidate for a Bachelor of Science in Computer Science
- **GPA: 4.0/4.0**
- Related Courses: Algorithms & Data Structures, Object-Oriented Design, Mathematics of Data Structures, Foundations of Data Science, Foundations of Cybersecurity, Linear Algebra, Mathematical Reasoning, Fundamentals of Computer Science(I and II)

Advanced Math & Science Academy Charter School, Marlborough MA

August - May 2019

- Honors: Salutatorian, National Honor Society, National Merit Scholar
 - GPA: 4.71/4.0
 - Related Courses: Discrete Mathematics and Computer Science Applications, Cybersecurity, Advanced Placement(AP) Statistics, Oracle Database Design, AP Calculus, AP Computer Science
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TECHNICAL KNOWLEDGE

Languages: Java, Python, JavaScript, SQL, HTML, CSS

Technologies/Frameworks: Node.js, APIs, TensorFlow, Git, Flask, Express, NumPy, Pandas, JUnit, Socket.io, React

Applications: Jupyter Notebooks, Spyder, Eclipse, IntelliJ, Adobe Photoshop, Microsoft Office

Systems: Windows, Linux

PERSONAL PROJECTS

Machine Learning Photo Watermarker

July - September 2020

- Built steganographic “watermark” tool using machine learning, subtly altering photos by adding a robust and invisible watermark
- Designed front-end site and integrated a back-end API to alter photos
- Utilized Python(Tensorflow, Flask), and Javascript(React) to build the tool

Multiplayer Poker Game(in progress)

June 2020 - Present

- Building real-time multiplayer Texas Holdem game
 - Utilizing Javascript(Node.js, Express, Socket.io), HTML, and CSS(Bootstrap) to build the game
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EXPERIENCE

Muffin House Cafe, Mendon, MA

April 2018 - Present

Barista

- Interfaced with 75 - 100 customers daily, taking orders and making coffee to ensure customer satisfaction through friendly interactions
- Collaborated with a team of workers daily to maximize sales and customer service
- Trained 5 - 10 new employees to ensure success in the workplace

Computer Science Gents, Marlborough, MA

February 2018 - April 2019

Mentor

- Offered personalized teaching to twenty 11-13 year old students, introducing software development principles to build an Android application of their design
 - Used MIT’s “App Inventor” teaching tool to teach students software development skills
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SKILLS/INTERESTS

- Interests: Movies, cooking, staying active, machine learning, web development, and learning new skills
- Skills: Friendly, collaborative, goal-oriented, and hardworking