

# DAVID ALONGE

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## EDUCATION

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**Rutgers University Newark** – Newark, NJ Expected graduation: May 2024  
**Bachelor of Arts in Computer Science, minor in Mathematics, Data Science and Social Justice** GPA: 4.00

- Honors: Dean's List
- Relevant coursework: Advanced Data Structures & Algorithm, Software engineering, cybersecurity

**Essex County College** – Newark, NJ Graduation date: June 2021  
**Associate of Science in Computer Science** GPA: 3.92

- Honors: Dean's List, PTK All Academic Scholar 2021
- Relevant coursework: Computer Architecture, Computer Network, Database Structure, Operating System

## TECHNICAL SKILLS SUMMARY

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**Programming Languages:** C++, Visual Basic, Java, HTML, JavaScript, CSS  
**Software:** Github, Xcode, VScode, Figma, Excel, PowerPoint, Canva  
**Operating Systems:** Windows, UNIX, MacOS  
**Databases:** MongoDB, AWS, MySQL

## EXPERIENCE

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**LSAMP program, Rutgers University - Newark** – Newark, NJ November 2022 – Present  
Web Developer

- Spearheaded a teamwork initiative with six students to revamp the program's website with a strong emphasis on maintaining consistency, implementing responsive design, and improving the user experience.
- Achieved this by implementing Software Development Life Cycle models to transition from HTML/CSS to using REACT and Express.JS for the codebase and MongoDB cloud computing for storage.
- Established a live platform that caters to the current needs but also fosters future students' understanding and contributions through comprehensive comments and documentation.

**New Jersey Institute of Technology** – Newark, NJ May 2021 - August 2022  
Research Intern

- Contributed to research aimed at optimizing treatment strategies and patient outcomes for Covid-19 by determining the optimal timing for introducing immunotherapy
- Implemented and tested Conditional Generative Adversarial Network (cGAN) provided by IBM.
- Generated an extensive dataset of over 10,000 synthetic data from 25 observed Covid data using Neural network Artificial Intelligence (AI) modeling, and analyzed these data graphically using Notebook in Python environment.

## LEADERSHIP ACTIVITIES & VOLUNTEER EXPERIENCE

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**The Braven Accelerator** – Newark, NJ August 2023 – Present  
Fellow

- Developed workforce skills such as leadership, operating and managing, communicating and networking, working in teams, and problem solving by completing a 14-week leadership and professional development course.
- Designed a career roadmap by outlining 3 specific, short-term goals and identifying possible obstacles, strengths and support systems to help achieve each goal.

## INTERESTS

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Hackathons, Fitness, Programming and Coding Challenges, Sustainability, Music & Entertainment