

Savrina Salartash

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EDUCATION

Georgia Institute of Technology, Atlanta, GA August 2023 – December 2024
Master of Science in [Bioinformatics](#)

Villanova University, Villanova, PA August 2019 – December 2022
Bachelor of Science in [Comprehensive Science](#) GPA: 3.65

EXPERIENCE

Shrek Quote Generator App | Independent Project 6/2023 – Present

- Developing a quote generation app leveraging GPT machine learning model to generate random quotes from the “Shrek” franchise
- Utilized Python and frameworks such as TensorFlow and PyTorch to implement the machine learning model for natural language processing
- Implemented API integrations to retrieve the Shrek script dataset and establish real-time quote generation functionality within the app

Website Portfolio | Independent Project 5/2023 – Present

- Creating a visually appealing and interactive portfolio using Figma, and translated the design prototype into high-quality HTML and CSS code, using Visual Studio Code as the primary development environment
- Combined technical skills in HTML, CSS, and JavaScript with a solid understanding of software engineering and UI/UX principles to develop a responsive and dynamic portfolio website
- Actively engaging in academic and professional development opportunities, staying up to date with industry trends and technologies to advance skillset

[TheraPet](#) | RoboTech @ GT 3/2023 – Present

- Developed a working Figma prototype for a mobile app that connects users with shelter animals; currently working on backend development for launch
- Recognized the positive connection between humans and animals and the potential for the app to improve cardiovascular health, reduce stress, and increase happiness for both humans and animals
- Applied principles of user-centered design to create an intuitive and engaging user experience, ensuring seamless navigation and functionality across multiple devices and screen sizes

Undergraduate Researcher | [Curry Lab](#) @ Villanova 12/2019 – Present

- Conducting quantitative analysis of D notes of Carolina, black-capped, and hybrid chickadees, while developing strong data analysis, visualization, and interpretation skills by leveraging statistical techniques and software tools
- Presented findings at Villanova Undergraduate Research Symposiums 2021 and 2022, American Ornithological Society & Birds Caribbean conference 2022, and Association of Field Ornithologists conference 2022, effectively communicating complex biological concepts to diverse audiences
- Authored senior thesis and currently in publication process of analysis of D note variation as it relates to ancestry genotype, sex, note sequence, and beak depth

Lymphedema Therapist | Atlantic Coastal Surgery 8/2020 – 1/2021

- Administered lymphedema therapy and wound care, including manual lymphatic drainage, compression bandaging, and dressing application, to reduce swelling, improve circulation, and enhance patient wellbeing
- Conducted thorough assessments of patients’ needs and medical histories to develop personalized treatment plans, incorporating evidence-based research and practices and innovative techniques
- Utilized specialized equipment and technologies, such as wound vacuums and ultrasound imaging, to aid in the diagnosis, treatment and monitoring of lymphedema and wound conditions

PROGRAMMING/ COMPUTER SKILLS

Java, Python, HTML, CSS, JavaScript, C++, R, SQL, Mongo, GCP, Spark, Visual Studio Code, Figma, Responsive Web Design, Machine Learning, Natural Language Processing

LABORATORY SKILLS

Raven Sound Analysis Program, FileMaker Pro, JMP

Ancestry Genotyping / Sexing:

DNA Extraction, PCR, Enzyme Digest, Gel Electrophoresis

INTERPERSONAL SKILLS

Office Administrator

[The Purple Crayon Enrichment and Early Learning Centers](#)
5/2023 - Present

Substitute Teacher

Kelly Education
2/2023 – 6/2023

Founder and President

Villanova Middle Eastern Students Association
4/2021 – 12/2022

Technical/Scientific Writing Tutor

Independent
11/2020 – Present

KEYWORDS

Technology advancement; code creation, fixing, extension, and scaling; reliability and performance optimization; troubleshooting; problem-solving and analytical thinking; large-scale application development; scripting for task automation; information analysis and solution evaluation; application of computer science knowledge; collaboration and teamwork