

Ryan Smith

ryanlsmith191@gmail.com | Personal Website: <https://ryanlouissmith.com/>

LinkedIn: <https://www.linkedin.com/in/ryan-louis-smith> | GitHub: github.com/ryansmitt2003

EDUCATION

Rutgers University – New Brunswick

New Brunswick, NJ

Bachelor of Sciences in Computer Science, Bachelor of Sciences in Data Science

Expected May 2025

- **GPA:** 3.9 / 4.0
- **Honors:** SAS Honors Program, Dean's List, Ernest C. Palsho Scholarship, Executive High School President
- **Relevant Coursework:** Design and Analysis of Computer Algorithms, Computer Architecture, Data Structures, Data Management for Data Science, Discrete Structures II, Linear Algebra, Calculus II, Physics II

PERSONAL PROJECTS

LBI Greenhead Predictor

Long Beach Island, NJ

MongoDB, Express.js, React, Node.js, CSS, OpenWeatherMapAPI

August 2023

- Studied greenhead bug behaviors, creating a predictive tool ensuring superior beach visits and user pleasure
- Collaborated with ReClam The Bay and Rutgers Entomology, crafting a specific greenhead activity algorithm
- Built a MERN-based app with real-time weather and predictions and adaptive user-responsive feedback tools

DALLE AI Generative Image Clone

Robbinsville, NJ

MongoDB, Express.js, React, Node.js, CSS, Cloudinary

July 2023

- Designed an interactive OpenAI DALL-E clone using Express.js and Node.js for prompt-to-image generation
- Utilized MongoDB for metadata and Cloudinary for a cloud-based image storage, optimizing user experience
- Established a dynamic application using React, showcasing real-time image galleries and an intuitive UI

Homer Simpson Chat Bot

Robbinsville, NJ

Python, ChatGPT, Pandas, HuggingFace

June 2023

- Developed a Homer Simpson chatbot by using a dataset of 6000 episodes from Kaggle, for immersive use
- Extracted prior lines of dialogue from Homer, enriching user interactions by supplying contextual information
- Employed OpenAI's chatGPT for articulate responses, and refined using Hugging Face's tools for integration

Personal Website

August 2023

- Crafted a personal HTML website to showcase my portfolio, skills, education, varied experience and interests

COMPETITIONS

News Corp Global Tech AI Hackathon

Princeton, NJ

Won Most Innovative Idea

June 2023

- Created an AI model using Slack data to seamlessly connect teams and efficiently find subject matter experts
- Extracted data from Slack channels and preprocessed and tokenized the data with the help of HuggingFace
- Created a Discord Bot to add to Slack, leveraging vectorization and advanced language modeling techniques

Valley Bank FinTech Competition

New Brunswick, NJ

4th Place amongst 20+ teams

November 2021

- Devised a FinTech solution for college students, ensuring banking safety through risk management protocols
- Formulated a comprehensive business model, assessing market dynamics, competition, and growth potential
- Delivered a strategic presentation to senior bank executives, showcasing key insights and proposed solutions

PROFESSIONAL EXPERIENCE

Robbinsville Police Department

Robbinsville, NJ

IT Intern

May 2023 – August 2023

- Enhanced all technology systems to prioritize performance and reliability, and optimize operational efficiency
- Increased the system's CPU clock speed by 2.2 GHz through technical optimizations, boosting performance
- Installed and configured new technologies, including Panasonic Toughbooks and computers, into patrol cars
- Ensured seamless access to vital information for law enforcement, enhancing their ability to serve and protect

SKILLS, ACTIVITIES & INTERESTS

Skills: Java, C, Python, R, Swift, SQL, React, Node.js, Express.js, Pandas, HTML, CSS, JavaScript, MongoDB

Activities: Road to Silicon Valley, Chi Psi Fraternity, ReClam the Bay volunteer, Embrace the Kids Foundation

Interests: Basketball, Hiking National Parks, Surfing, Watching Survivor, Star Wars, NFL, Painting