Ryan Smith

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Personal Website: https://ryanlouissmith.com/

EDUCATION

Rutgers University – New Brunswick   **New Brunswick, NJ**
Bachelor of Sciences in Computer Science, Minor in Data Science   Expected May 2025

- **GPA:** 3.9 / 4.0
- **Honors:** Honors Program, Dean's List, Ernest C. Palsho Scholarship, High School Executive President
- **Relevant Coursework:** Computer Architecture, Data Structures, Data Literacy, Introduction to Discrete Structures II, Introduction to Linear Algebra, Introduction to Computer Science,

EXPERIENCE

Robbinsville Police Department   **Robbinsville, NJ**
IT Intern   May 2023 – Present

- Adjusted all technology systems to prioritize performance and optimize operational efficiency.
  - Saw an average increase of 2.2 GHz of the CPU Clock Speed after treatment
- Installed and configured new technologies, including Toughbooks and computers, into patrol cars.
- Ensured seamless access to vital information for law enforcement, enhancing their ability to serve and protect

COMPETITIONS

News Corp Global Tech AI Hackathon   **Princeton, NJ**
Won Most Innovative Idea   June 2023

- Developed an AI model using Slack data to connect teams and identify subject matter experts.
- Utilized Python and Pandas for efficient data analysis, extracting information from Slack channels.
- Implemented an innovative AI solution using vectorization and language modeling.

Valley Bank FinTech Competition   **New Brunswick, NJ**
4th Place amongst 20+ teams   November 2021

- Developed and presented an idea that promotes safer banking for college students
  - Link to Presentation: https://www.youtube.com/watch?v=ZcUFruhgPjE

PROJECTS

LBI Greenhead Predictor   August 2023

- Studied greenhead bug behavioral patterns to develop a predictive tool to enhance beach experiences.
- Collaborated with ReClam The Bay and Rutgers Entomology to create a greenhead activity algorithm.
- Built a MERN-based app with real-time weather and predictions and adaptive user feedback mechanisms.
  - Link to live site: https://lbigreenhead.com/

DALLE AI Generative Image Clone   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 cloud-based image storage, optimizing user experience.
- Employed full MERN stack with React.js for a dynamic, real-time image gallery frontend.
  - Link to live site: https://rls-dalle.online/

Homer Simpson Chat Bot   June 2023

- Developed a Homer Simpson chatbot by utilizing a dataset of 6000 episodes from Kaggle.
- Extracted prior lines of dialogue from Homer to provide contextual information.
- Employed OpenAI's chatGPT for responses and refined with Hugging Face's tools for integration.

Personal Website   August 2023

- Crafted a personal HTML website to showcase my diverse portfolio: https://ryanlouissmith.com/

SKILLS, ACTIVITIES & INTERESTS

Skills: Java, C, Python, R, MongoDB, React, Node.js, Express.js, Pandas, HTML, CSS, JavaScript, Cloudinary
Activities: Road to Silicon Valley, Chi Psi Fraternity, Varsity Basketball Captain, Civics Club
Interests: Basketball, Hiking National Parks, Surfing, Watching Survivor, Star Wars, NFL, Painting