Pranav Rajeev

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pranav-raj11.github.io

EDUCATION

University of Waterloo — Waterloo, ON
Honours Mathematics — *Sept 2023 – Present*

EXPERIENCE

AI Research Analyst — June 2020 – Aug 2024
Orange Neurosciences
- Earned certifications in Microsoft Azure and Microsoft Azure AI fundamentals to deepen understanding of the field and concepts of AI and utilize them in research
- Collaborated with the CEO of Orange Neurosciences through team meetings, emails and deliverables to understand their business for customized recommendations
- Developed personalized AI recommendations for Orange Neurosciences so that proposed solutions were both beneficial through efficiency and connected to the company's overall aspirations and goals.

Tutor — Mar 2021 – Present
Astro STEM Labs
- Tutored math, Python and Scratch to classes of up to eight students
- Helped students prepare for the annual Kangaroo Math Contest
- Prepared and executed weekly lesson plans using Khan Academy, DMOJ, and some creative teaching websites
- Engaged students and made lessons entertaining to hold interest and encourage learning

Research Intern — June 2022 – Aug 2022
Astro STEM Labs
- Researched Sentinel Hub
- Analyzed images and extensively explored various time-lapses made from satellite images
- Shared findings from research with boss and coworkers in a polished and effective presentation
- Leveraged research findings to develop a comprehensive course on Sentinel Hub to be later taught in Astro STEM Labs classes

European Astro Pi Challenge: Mission Space Lab — 2021/2022
- Worked with a team to gather data and accurately calculate the speed at which the International Space Station travelled at various times
- Programmed using various Python data analysis libraries to use Astro Pi computer sensors to gather data about orientation and motion of ISS orbit

PROJECTS

Personal Website | *HTML, CSS, JavaScript*
- Developed a website portfolio for myself from scratch using HTML, CSS and JavaScript.
  Check it out: pranav-raj11.github.io

Tic Tac Toe Game | *Go, Git, YAML*
- An in-progess project I am working on with a senior student. We are creating a multiplayer server to play tic tac toe on.

Firefighter Robot | *Basic*
- A teammate and I created a firefighter robot and coded its movements to extinguish fires in a maze we were given to test on.

TECHNICAL SKILLS

Certifications: Azure AI Fundamentals, Azure Fundamentals, National Lifeguard, Standard First Aid with CPR-C
Languages: Python, C, C++, HTML, CSS, JavaScript, SQL, Racket, Processing, R
Developer Tools: Git, Bash, Terminal, VS Code, Visual Studio, Eclipse, Jupyter Notebook
Libraries: Pandas, NumPy, Matplotlib, Seaborn
Video Editing: iMovie, Premiere Pro, After Effects, Animate, Photoshop