

# Pranav Rajeev

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## EDUCATION

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### University of Waterloo

*Honours Mathematics*

Waterloo, ON

*Sept 2023 – Present*

## EXPERIENCE

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### AI Research Analyst

June 2020 – Present

*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 – Aug 2024

*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

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### Personal Website | *HTML, CSS, JavaScript*

- Created a website for myself from scratch using HTML, CSS and JavaScript. Currently working on purchasing domain name and hosting the website.

### Tic Tac Toe Game | *Go, Git, YAML*

- An in-progress 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

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**Certifications:** Azure AI Fundamentals, Azure Fundamentals, National Lifeguard, Standard First Aid with CPR-C

**Languages:** Python, C, C++, HTML, CSS, JavaScript, 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