

# Priyan Rai

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## EDUCATION

**University of Cincinnati, Cincinnati, OH**

**Exp. Graduation: May, 2022**

BS, Computer Science and Mathematics

GPA: 3.42

**The Aryan International High School, India**

**Graduated 2017**

CGPA: 10

## SKILLS

**Programming:** C++, C#, Python, Swift, MATLAB, HTML/CSS, R, MIPS, Ruby

**Frameworks/Services:** MATLAB ML, Keras, Anaconda, Deep Learning, Revit API, .NET

**Applications:** Microsoft Office, Xcode, Adobe DreamWeaver, Fusion 360, Procreate

## EXPERIENCES

**SHP Leading Design, Cincinnati, OH**

**Aug 2019 - Present**

- Used the C# Revit API to create an automated renumbering and learning system.
- Create solutions on distributed systems with exposure to innovative technologies to improve incredible scale and speed.
- Deployed a smart object identification and analysis system that helped to cut down calculation times.

**Research Co-op and Experience**

**Aug 2018 - Apr 2019**

- Developed three different prediction models based on Bagging, Nearest Neighbor and Linear Progression algorithms.
- Authored several papers comparing these models and their efficiencies which were published in an accredited Journal.

**Enable UC, Inertial Hands Project**

**Oct 2019 - Mar 2020**

- Worked with a team of designer and engineers to develop a prosthetic inertial hand.
- Programmed a learning model that learns based on amount of inertia required to do tasks and adjust sensor sensitivity accordingly.

**Student Orientation Leader**

**Apr 2018 - Aug 2018**

- Represented the UC Student body to incoming first year students.
- Went through a month long intensive training program about all things UC.
- Helped in organizing the Orientation and running it smoothly.

**President, UC Astronomy Club**

**Mar 2018 - Mar 2019**

- Convened regular meetings and prepared presentations to encourage discussions about astronomy.
- Organized Stargazing trips and other activities for members and students.

## EXTRA

**ResearchGate:** [https://www.researchgate.net/profile/Priyan\\_Rai/amp](https://www.researchgate.net/profile/Priyan_Rai/amp)

**Languages:** English, Hindi, German and Urdu

**Instruments:** Violin, Piano, Drums and Harmonica

Available for Internship / Co-op in, **Summer 2021**