

# Priyan Rai

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## EDUCATION

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**University of Cincinnati, Cincinnati, OH**

**Exp. Graduation: May, 2022**

BS, Computer Science, Mathematics Minor

GPA: 3.42

**The Aryan International High School, India**

**Graduated 2017**

CGPA: 10

## SKILLS

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

**Frameworks/Services:** Matlab ML, TensorFlow, pyML, Deep Learning, Revit API, Git, Linux

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

## EXPERIENCES

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**SHP Leading Design, Cincinnati, OH**

**Aug-Dec 2019**

- Used the C# Revit API to create an automated renumbering and learning system.
- Deployed a smart object identification and analysis system that helped to cut down calculation times from ~ 6 hours to ~ 3 minutes.
- Helped in primary template north arrow project design and implementation.

**UC Research Co-op**

**Aug-Dec 2019**

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

**Enable UC, Inertial Hands Project**

**Oct 2019 - Current**

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

**Student Orientation Leader**

**Apr - 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 to encourage discussions about astronomy.
- Prepared presentations for the meetings.
- Organized Stargazing trips and other activities for members and students.

## EXTRA

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**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 Co-op in, **Fall 2020**