

# Nisha Pant

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## Education

**University of Illinois at Urbana Champaign** – BS, Computer Science Aug '19 – May '22

Coursework: Software Design Studio, Discrete Structures, and Applied Linear Algebra

Involvement: HackIllinois Staff, Women in Computer Science, Association of Computer Machinery

**James B Conant High School** – BS, Computer Science Aug '15 – May '19

Coursework: Calculus III, Mobile Application Development, and AP Computer Science A

## Experience

**University of Illinois at Urbana Champaign** – Research Intern Oct '19 – Dec '19

- Working as a PURE undergraduate researcher on single microphone source separation.
- Using Python, SKLearn, TensorFlow, and PyTorch to analyze audio files.

**Vimeo** – iOS Engineering Intern Jun '19 – Aug '19

- Worked on Apple Mobile Workflow team, improving user upload and video experiences.
- Integrated Siri shortcuts into iOS Vimeo application using Swift, allowing users to instantly upload videos to Vimeo.
- Created product design specification for a Vimeo creator Chrome extension.

**Northwestern University** – Research Intern Jul '18 – May '19

- Conducted research on [secure querying for federated databases](#) with Professor Jennie Rogers.
- Helped improve Java applications to make searching through massive, federated datasets more efficient.

**Girls Who Code Summer Immersion Program** – Student Jun '17 – Aug '17

- Gained technical and communication skills through team projects and partnered programming.
- Created [GloPal](#), a web-application promoting eco-friendliness with backend created in Django.

## Leadership

**CompSci Kids** – Co-Founder Mar '18 – Present

- Founded [CompSci Kids](#), a program that promotes the importance of computer science to elementary and middle school students.
- Oversaw six classrooms at Conant High School with students ranging from first to eighth grade.
- Created curriculum for all four grade levels, utilizing technologies such as Scratch, Code.org, Alice, and Visual Basic.

**Code211** – Student Representative Nov '17 – Jan '18

- Organized and promoted [District 211's first hackathon](#), a 24 hour event where students can build a finished project and learn about new technologies.
- Brainstormed projects and facilitated workshops with other student groups at the event.

## Projects

### Math Team

Collection of helpful tools for both math team coaches and students to practice questions and get updates on upcoming activities. Made with Django.

### Politigo

Website built with GraphQL, Node.js and the ProPublica API. Users can search a database of bills and politicians to find information on current and past political climates.

## Skills

Java, C++, Swift, Python, Git, Django, HTML/CSS, Javascript, and Arduino