

Nisha Pant

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Education

- University of Illinois at Urbana Champaign** – BS, Computer Science Aug '19 – Dec '21
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** – High School Diploma 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 – Present
- 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