NISHA PANT

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EDUCATION

University of Illinois at Urbana Champaign – *BS, Computer Science*   Aug '19 – May '22
- Relevant Coursework: Data Structures, Computer Architecture, Ethics in Computer Science, Software Design Studio, Discrete Structures, Applied Linear Algebra
- Involvement: HackIllinois Staff, Reflections|Projections Staff, Women in Computer Science

EXPERIENCE

University of Illinois at Urbana Champaign – *Research Intern*   Oct '19 – Dec '19
- Worked as a PURE undergraduate researcher on single microphone source separation.
- Used Python, Pandas, and SKLearn to analyze audio files.

Vimeo – *Software 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.

SKILLS

- Proficient: Java, C++, Swift, React, Git, Bash, JavaScript, HTML/CSS, MIPS Assembly, Verilog
- Familiar: Python, Django, Arduino, GraphQL

PROJECTS

International Diamond Company Website

Creating an e-commerce website for a local jewelry store using React, Express, GraphQL, MongoDB, and the Stripe API. Customers will be able to browse and purchase inventory and contact the owners for questions.

Math Team

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

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.