Niall Sharma

Niall.k.sharma@gmail.com | github.com/Niall-Sharma | linkedin.com/in/niall-sharma-8a28a72bb | West Des Moines, IA

EDUCATION

Iowa State University (GPA 3.92) Anticipated: May 2028
Bachelor of Science Major: Computer Science Ames, IA
Minor: Applied Artificial Intelligence
Dean's List

TECHNICAL SKILLS

Programming Languages: Java (Advanced), C# (Intermediate), Python (Intermediate), TypeScript (Intermediate)
Development Tools: Visual Studio Code, Eclipse, JetBrains IDEs, Git, GitHub, AWS, React Testing Library, Cypress
Programming Frameworks: ReactJS, NextJS
Software: Microsoft Suite, Google Workspace, Figma

EXPERIENCE

John Deere Urbandale, IA
Software Engineering Intern – Intelligent Solutions Group: Land Management May 2025 – Aug 2025
- Extensively collaborated with outside teams to create robust internal Materials UI tools for developers.
- Solely designed, managed, and implemented a new React application, creating a better user experience.
- Presented application to customers and engineers garnering interest from Project and UX teams.
- Created application endpoints to store, retrieve, and parse precision agriculture data from AWS S3.
- Designed and created Unit and Integration tests using React Testing Library and Cypress Integration.
- Initiated and led the complete overhaul of numerical unit conversions within entire platform.

Iowa State University – College of Design Ames, IA
Undergraduate Researcher Sep 2024 – Present
- Collaborating with international professors to analyze relationships between emotions and physical spaces.
- Leading a team of students to construct a gamified user application to collect scientific data for research purposes.
- Named first author of multiple papers being created during this research project.
- Professionally presenting research at research conferences.

Student Ambassador – Public Relations Feb 2025 – Present
- Engaging in conversation with potential future faculty and students of the Game Design major.
- Coordinating exhibits and booths at university events to enhance student engagement.

Student Representative Sep 2024 – Dec 2024
- Researched and developed tools to aid the creation of a new field of study at Iowa State.
- Professionally communicated and aiding professors and staff members to meet goals.
- Collaborated with peers and superiors on developing tools and methods to further education goals.
- Helped construct game design major at Iowa State.

PUBLICATIONS

- **Sharma, N.**, Poplin, A., Garau, C., & Siddharth, K. (2025). *The Potential of Emotions Geogame: Mapping Emotions for Improving the Evaluation of Places.* In *Proceedings of the 2nd GeoGames Symposium*.

LEADERSHIP & INVOLVEMENT

Iowa State Fencing Club – Public Safety Officer Jan 2025 – Present
Iowa State Wind Energy Student Organization - Member Aug 2025 - Present
Iowa State Honors Aug 2024 – Present
Graduate of Gavin Jerome's Comedy College May 2025