PUJA MITTAL

✉ puja@purdue.edu
 pujamittal in mittalpuja

EDUCATION

Purdue University ('19) - *Major in Computer Science, Minor in Dance*
Illinios Math and Science Academy ('15) - *High School Diploma*

WORK EXPERIENCE

Satisfi Labs - New York, NY - *SWE Intern (Summer 2018)*
- Created a translator for the NLP in Python using the nltk library that optimized the comprehension rate
- Developed an automated in-depth performance analysis on SQL & Sisense for all our clients' bots

macys.com - San Francisco, CA - *Tech Intern (Summer 2017)*
- Worked on various frontend projects within the Marketing Domain on the Loyalty Team
- Collaborated with other interns as a developer & videographer to create a virtual queue for Macy's checkout

Microsoft - Redmond, WA - *Explorer Intern (Summer 2016)*
- Designed a new UI for MS Feedback with new features and enhanced user experience
- Developed a new data schema for feedback to allow more flexibility within the feedback pipeline

Freelance Designer *(2012 - 2016)*
- Specialized in branding, marketing, and web development (see portfolio below)

PROGRAMMING
Java, SQL, Python, C++, C, HTML/CSS/JS

MEDIA
Adobe Illustrator & Premiere, Sketch, Audacity

OTHER SKILLS
Curriculum Development, Event Planning

RELEVANT COURSEWORK
Database & Information Systems (SQL)
Operating Systems (C)
Data Structures & Algorithms (C++)
Computer Architecture (Assembly & C)
Systems Programming (C & C++)
Virtual Reality (Unity & C#)

RESEARCH (PATENT PENDING)

Using Technology in Dance Movement to Manipulate Stage Lighting (Networks & IOT) -
Undergraduate Researcher (Spring 2017 - Present)
- Co-developed software that uses realtime data taken from movement sensors on dancers' bodies to control industry-standard theater lighting systems to create an interactive stage environment
- Developed a system to broadcast data packages via WiFi using OSC messages on a closed network

PROJECTS

SpotiBot - *(CS 408 Spring 2018)*
Facebook Messenger chatbot that builds custom playlists based on user input and Spotify listening history

Spotilytics - *(Boilermake Hackathon Spring 2017)*
Static site that builds an analytics profile from a user's Spotify data and listening history that runs almost exclusively through the browser

EXTRACURRICULARS

Undergraduate Board for Computer Science (USB)
Board of students in CS whose purpose is to be a voice to the students and develop solutions with Faculty & Staff

CS193 Lecturer
Toolkit course run by USB for freshmen to learn CS concepts not taught in the classroom (Terminal, Git, etc.)

Dance
Bharatanatyam, Hip Hop, Bollywood, Musical Theater, Modern

IMSA eleMENT (past)
(Co-Founder; Curriculum Developer; Mentor; Web Developer)
Entrepreneurship education program that teaches students how to transform an idea into a profitable business