

PUJA MITTAL

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🐙 pujamittal  mittalpuja

OBJECTIVE

Seeking a full time position as a backend engineer, experienced in interdisciplinary, client-facing roles

EDUCATION

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

WORK EXPERIENCE

Satisfi Labs - New York, NY - SWE Intern (Summer 2018)

- Re-built part of the NLP in Python using the nltk library which increased accuracy and sped up comprehension
- Automated an in-depth performance analysis on SQL & Sisense for all our clients' bots formerly done on Excel

macys.com - San Francisco, CA - Tech Intern (Summer 2017)

- Developed frontend components from wireframes for the web interface of Macy's new rewards program
- Collaborated with interns as a developer & videographer to create & pitch 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 static websites (see portfolio link at the bottom)

PROGRAMMING

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

OTHER TECH

IBM Watson, Google Dialog Flow, Pepper

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++)
Computer Networks (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

Senior Design Project - (CS 407 Fall 2018)

Haptic feedback device designed for children with special needs to assist them with voice volume management

SpotiBot - (CS 408 Spring 2018)

Facebook Messenger chatbot that builds custom playlists based on user input and Spotify listening history

EXTRACURRICULARS

Undergraduate Board for Computer Science (USB)

Works with the CS dept. to improve student life via initiatives such as:

Committee for Computer Science Organizations (CCSO)

Founded this committee made up of student leadership of CS organizations to foster collaboration and community

CS193 Lecturer & Curriculum Developer

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

Dance

Bollywhack Instructor, Bharatanatyam, Hip Hop, Bollywood, Musical Theater, Modern

IMSA eleMENT (past)

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

website: pujamittal.me

portfolio: pujamittal.tumblr.com