

PAPE SOW TRAORÉ

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EDUCATION

Dartmouth College, Hanover, NH

Expected: Dec 2022

- **Major:** Computer Science with concentration in Digital Arts, MS
- **Relevant Coursework:** Human-Computer Interaction, UI/UX Design, VR & AR Development, Design Thinking, Smartphone Programming

Texas A&M University, College Station, TX

May 2020

- **Major:** Computer Science, BS (GPA: 3.62)
- **Relevant Coursework:** Algorithms & Data Structures, Software Engineering, Database Systems

EMPLOYMENT

Software Developer

DALI Lab

Sept 2020 - Present

Digital Applied Learning and Innovation (www.dali.dartmouth.edu)

- Developing full-stack applications in an experiential learning lab at Dartmouth.
- Collaborating with 5-6 person teams of developers, designers, and project managers to design and build technological solutions catered to the specifications provided by startups, researchers, and Dartmouth organizations
- Leveraging knowledge in frontend technologies such as HTML/CSS, React, Redux, and backend technologies such as Ruby on Rails and Express.

Software Developer

ConnectUs (Startup)

May 2021 – Present

Relationship-oriented tool to elevate employee experience (www.joinconnectus.com)

- Developed the company's first prototype that engaged with over 30 unique individual users across 50+ interactions.
- Spearheaded UX/UI design in-line with user expectations from 250+ survey responses and 60+ hours of customer interviews.
- Collaborating with other engineers to implement frontend feature development.

SOFTWARE PROJECTS

ITC Vox Platform

- Application that allows Dartmouth's faculty and staff to submit department news to be sent to individuals.
- Refactored codebase by removing Next.js components and incorporated a Ruby on Rails backend.
- Implemented image uploading workflow using Rails' active record storage and Amazon S3.
- Utilized: HTML/CSS, React, Redux, Ruby on Rails, AWS Cloud Storage

ConnectUs Prototype

- Employee relationship management tool that allows managers and employees to connect at a more personal level.
- Designed system to let managers schedule meetings and set agendas with employees and create follow-ups.
- Led the development of the entire frontend, along with the integration of Azure Authentication.
- Utilized: React, Redux, HTML/CSS, Microsoft Azure

Video Tagging Tool

- Developed web tool to categorize and add metadata to Texas A&M's archive of over 5000 hours of video content.
- Added ability to rate quality of video using rubric, add tags to timestamps, and find related videos.
- Utilized: HTML/CSS, Ruby on Rails, Apache Server, Phusion Passenger, MongoDB,

SKILLS

Software: (proficient): HTML/CSS, JavaScript (React), Rails (familiar): Java, Python, Android, MongoDB, Figma

Languages: French (Fluent), English (Fluent), Wolof (Fluent)