New **Grad**

(123) 456-7890 | email@gmail.com | GitHub: github_username

Summary

PhD candidate & computer science researcher with 9+ years development experience & 5+ years research & analysis experience. Daily work involves data processing & visualization, pattern recognition, technical/academic writing, software testing, & scripting. Regularly collaborate with multi-location research teams in addition to pursuing independent projects. Strong analytical, problem-solving, interpersonal, & communication skills.

Skills

Python, Java, Unity/C#, MATLAB, Machine Learning, NLP, Git

Education

Better **State School**

State School

Work Experience

Large Bank

DATA ENGINEERING INTERN
PH.D COMPUTER SCIENCE (3.9/4.0 GPA)

B.S. COMPUTER SCIENCE (3.8/4.0 GPA)

Applied machine learning & NLP techniques to identify database fields that contain customer data restricted by privacy laws (CCPA) Developed Python pipeline for AWS Lambda to identify relevant metadata entries using bag-of-word

features for SVM classification Processed all available [Company and department name] data storage metadata (700k+ entries) for automated CCPA tagging Analyzed data stored in PostgreSQL with tools from the NLTK & Gensim libraries as part of an Agile team

Better State **School Department of Computer Science & Engineering**

GRADUATE RESEARCH ASSISTANT

Child Speech Therapy

Modified a purchased Unity game to provide automatic pronunciation feedback ([App Name] in Google Play Store) Built a custom mispronunciation detection framework using pattern matching on time-aligned MFCCS in Java Integrated with a team of speech-language pathologists (Collaborator location) to conduct pediatric evaluation experiments Analyzed collected data using Numpy, Scikit-learn, & Matplotlib for peer-reviewed publication

Stress Reduction

– Developed a biofeedback visualization application for relaxation on iOS in Objective-C & Swift (Available on Github)
5 years after *BS*

Grad date

– Designed a novel heartbeat detection algorithm to capture heart rate & breathing rate utilizing frequency- & time-domain features.

Used a wrist-worn [Sensor Name] wearable sensor to gather biological data

Image Processing

Developed an image processing pipeline to detect specific man-made patterns in images for the US Defense Trade Advisory Group Tuned HOG & Gabor features to improve real-time detection from video in MATLAB using GMM & SVM classifiers
Authored monthly progress reports for project sponsor

- Mentored summer undergraduate & high school students in game development & data curation (Start - End)

TEACHING ASSISTANT

- Provided grading & student support throughout the semester for a seminar class of 140

Assisted in developing undergraduate students' composition, technical writing, & communication skills

State School **Department of Computer Science** & **Engineering**

UNDERGRADUATE RESEARCH ASSISTANT

Worked alongside PhD student on data acquisition for rule-based language learning (NLP) project.

• Deployed a question-based learning system for Amazon Mechanical Turk user studies in PHP & SQL using GMMs

City, ST

Start - End

City, ST

Start - End

Start-End

City, ST

Start-End

Reconfigured the leaming system to ask questions against a second instance of itself for rate-of-learning simulations in Python

Leadership

Better **State School Graduate Student** Government

DIVERSITY & INCLUSION COMMITTEE CHAIR
Start - End

- Partnered with university administration & student interest groups to champion diversity, cultural competency, & inclusion on campus
- Coordinated a Diversity Meet & Greet event to facilitate discussion between students, departmental leaders, & Associate Deans for Diversity

Better **State School Department Leadership**

EXTERNAL OFFICER
Start - End

Advocated for all graduate students in the Department of Computer Science & Engineering at weekly graduate student government meetings