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 PH.D COMPUTER SCIENCE (3.9/4.0 GPA) *5 years after BS*

State School B.S. COMPUTER SCIENCE (3.8/4.0 GPA) *Grad date*

Work Experience

Large Bank *City, ST*

DATA ENGINEERING INTERN *Start – End*

- 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 *City, ST*

GRADUATE RESEARCH ASSISTANT *Start – End*

- 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)
  - 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 *Start – End*

- 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 *City, ST*

UNDERGRADUATE RESEARCH ASSISTANT *Start – End*

- 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
- Reconfigured the learning 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