CLIENT'S NAME

▪ Hawthorne, California 12345 ▪ 123.456.7890 ▪ www.infotech@gmail.com

MACHINE LEARNING ENGINEER

QUALIFICATIONS PROFILE

Analytical and process-oriented professional, with hands-on experience in data research, analysis, and modeling; machine learning engineering; and project management.

Adept at developing, implementing, and utilizing machine learning algorithms, approaches, and techniques to support decision making, obtain grant funding, and meet business goals. Equipped with proven expertise in identifying and addressing medium to complex problems, presenting findings, and ensuring accuracy and efficiency of programs. Effective at establishing rapport with various professionals from all levels and backgrounds while functioning well within fast-paced environments.

AREAS OF EXPERTISE

Computer Vision | Deep Learning | Time Series Data | Identification Tasks
Staff Supervision and Training | Project Management | In-depth Analysis and Review

PROFESSIONAL EXPERIENCE

COMPANY NAME | CITY, STATE

Technical Lead   **Dec 2016–Aug 2019**

- Oversaw a research initiative worth $200K, which included identifying the problem, addressing the problem domain, and developing algorithms to use in solving the problem
- Contributed efforts as a principal investigator, responsible for securing annual funding, communicating the need caused by the issue, and presenting the results to other organizations within the Naval Air Systems Command (NAVAIR)

Key Highlights
- ✔ Contributed significant efforts in driving the following projects:
  - ▪ **Research and Development of New Metrics for Radiofrequency (RF) Emitter Identification (Dec 2016–Aug 2019)**
    - – Led a literature review on robust algorithms for out-of-library false positives
    - – Generated a 25-page Department of the Navy internal technical report outlining the background, procedures, findings, and conclusions

  - ▪ **Multi-year Emitter Identification S&T Effort (October 2017–Aug 2019)**
    - – Conducted in-depth literature review of methodologies to identify computer vision, machine hearing, and RF emitter
    - – Utilized spectra pre-processing methods from machine hearing and convolutional neural network (CNN) architectures from computer vision tasks to create a synthesized approach to RF emitter identification
    - – Ensured the effectiveness of machine learning approach to emitter identification by evaluating and executing experiments
    - – Successfully transformed hundreds of gigabytes of raw emitter data into machine learning (ML)-ready datasets applicable for supervised learning tasks

- **DARPA Media Forensics (MediFor) (May 2017–Aug 2019)**
  - Assessed residual CNN to detect JPEG compression artifacts
  - Carried out a comprehensive critical analysis of a publication taking advantage of local descriptor-based network vs. residual CNN
  - Led the execution of Docker container for deliverables

- **Future Navy Capability Project (Dec 2016–May 2017)**
  - Keenly reviewed and implemented a variety of classifier-level fusion methods
  - Conducted experiments to compare the effectiveness of support vector machines (SVMs) and multilayer perceptron (MLPs) to map classifier confidence to statistical probabilities
  - Reconciled fusion results via structural risk minimization theory

EDUCATION

UNIVERSITY NAME | CITY, STATE
Master of Science in Computer Science, Specialization in Artificial Intelligence

UNIVERSITY NAME | CITY, STATE
Bachelor of Science in Computer Science and Engineering

TECHNICAL ACUMEN

Programming Languages	Python	C	C++	Java	MATLAB	Lua	R	SQL	Assembly Language (MIPS & x86)
Libraries and Frameworks	PyTorch	Keras	NumPy	SciPy	OpenCV	Scikit-Learn	Matplotlib Keras	Tensorflow	Pandas	Jupyter Notebooks	Docker
Others	LaTeX (Typesetting System)	Inkscape (Vector Graphics)	Git