

HARRY ATWAL

CONTACT

Based out of Asheville, NC
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EDUCATION

UNIVERSITY OF NORTH CAROLINA -
WILMINGTON

Bachelors of Science – Biology

Bachelors of Science – Computer Science

Masters – C.S. and Information Systems

KEY SKILLS

Data Analytics
Program Management
Artificial Intelligence
Machine Learning
Computer Vision
ML Ops + Dev Ops
Organization

INTERESTS

Home lab hobbyist: Raspberry pi, Docker,
Proxmox is my jam.
FIRST Robotics Coach: Mentor for high school
students in STEM

AFFILIATIONS:

Order of Omega, Upsilon Pi Epsilon,
Association for Computer Machinery (ACM),
IEEE (Biometrics)

PROFILE

A self-motivated technologist who loves to get into the weeds. I enjoy learning new skills and working on challenging projects. I work to increase the productivity and ingenuity capabilities of my employer as well as my own knowledge base.

EXPERIENCE

LEAD DATA SCIENTIST • 06/2016 - CURRENT
LAPETUS SOLUTIONS INC • WILMINGTON, NC
Startup providing solutions for lifecycle event companies

- Designed and implemented machine learning algorithms, reducing claims processing time by for insurers.
- Directed a cross-functional team of 4 engineers to deploy 5+ AI products, achieving a 20% revenue increase.
- Bridged the gap between technical teams and executives, translating complex AI solutions into actionable insights, resulting in a 25% increase in project adoption rates.
- Built a scalable data collection program, centralizing 2M+ data points and reducing analysis time by 30%.
- Leveraged AWS services (EC2, RDS, S3, etc.) to optimize cloud infrastructure, reducing costs by 25%
- Worked with CTO to implement open-source solutions with production level SLAs (Gitlab, Signoz)
- Progressed from Data Collection Intern to Head Data Scientist, leading the Machine Vision Group.
- Developed ETL pipelines for day-to-day processing of data
- Managed and hired third party contractors to fulfill ad hoc business needs in a cost-effective manner

ASSOCIATE RESEARCHER • MAY 2013 - JULY 2021
UNC WILIMINGTON • WILMINGTON, NC
Researcher in facial analytics and face recognition

- Developed a UAV Drone control system using bio-lidar based 3D hand gestures and AR Drone, later expanding to do face tracking
- Collected data for an Asian Face only data set utilizing Amazon Mechanical Turk service.
- Developed a Facial analytics triage tool which was used by law enforcement all over the US
- System administrator for desktop systems and servers
- Mentored undergraduate students their capstone and thesis.