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Charlottesville, VA 22902
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Dylan Tokotch

SKILLS AND TOOLS

- Computer vision (CV) algorithms [4+ years experience]
  - YOLO, ORB, FAST, THEA, BRIEF, OCR
- Python and relevant AI/ML and CV libraries [4+ years experience]
  - Numpy, Tensorflow, Scikit, Opencv, Pandas, Flask, Gensim
- Deep Learning, Convolutional Neural Networks [3+ years experience]
  - ESCPN, VDSR, RCAN, RFCN, FastRCNN, GANs, style transfer, MSSIM
- AWS and Docker container based deployment [2+ years experience]
  - AWS Lambda, S3, EC2, Docker, Docker-Compose
- AGILE, version control, and CICD pipelines [4+ years experience]
  - Jenkins, Git, Azure, Gitlab, JIRA
- Linux, Windows, and HPC system management [4+ years experience]
  - Bash, Powershell, Ubuntu, Nvidia CUDA, Nvidia CUDNN
- Project/team management and hiring [1+ years experience]

EXPERIENCE

Leidos - Charlottesville, Virginia — *Data Scientist*
November 2017 - PRESENT

- Super resolution for both real time video and single images
- Image classification and object recognition
- Hybrid object tracking using both ML and statistical methods
- Natural language processing for large unstructured datasets
- Ran structured, technical interviews and rated applying candidates
- Photogrammetry methodology including statistical and machine learned feature descriptors, descriptor matching, and feature hashing

Harmonia - Charlottesville, Virginia — *Software Developer*
April 2017 - November 2017

- Genetic Algorithms for a case based reasoning solution generator
- Deep CNN learning on point clouds

Adaptive Aerospace Group - Hampton, Virginia — *Software Developer*
August 2016 - April 2017

- Flight envelope protection for autopiloting aircraft systems
- Computer Vision algorithms for digitization of analogue gauge readings
- Directional antenna tracking of aircraft via ADSB signals

Duke University - Durham, North Carolina — *Research Associate*
May 2016 - September 2016

- High realism robot-grip physics simulation and solution finding using C++

EDUCATION

Bridgewater College — *Bachelor of Science* - *GPA:4.0*
September 2012 - May 2016: Bridgewater, Virginia

- Flory Honors Program graduate Summa Cum Laude
- Double Majored in Computer Science and Mathematics
- Double Minored in Physics and Computer Information Systems
- Extracurriculars include: MLH, ACM, Physics Club, and Lend a Paw