Quinn Jones | Computer Scientist

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Education

West Virginia University **Morgantown, WV**
MS in Computer Science, 4.00 *2025*
Coursework in Algorithms, Data Mining, Deep Learning, Pattern Recognition, and Graph Neural Networks

West Virginia University **Morgantown, WV**
PhD-ABD in Computer Science, 4.00 *2025*
Study and Research in Computer Vision; 3D tracking, 3D Reconstruction, and Neuron Classification

West Virginia University **Morgantown,WV**
Bachelor's Degrees in Computer Science and Computer Engineering, 3.89 *2016*

Experience

Wehrle Global Supply Chain Lab **Morgantown, WV**
Director:Service Assistant Professor *06/22–07/25*
Directed the Wehrle Global Supply Chain Lab towards it's mission of utilizing Virtual Reality and experiential learning in advancement of curriculum
- Developed Virtual Reality software for quality management and logistics courses
- Used 3d printing to create physical models for experiential learning in supply chain courses
- Created and taught online section of introductory supply chain course

West Virginia University Computer Vision Lab **Morgantown, WV**
Research Assistant *08/19–06/22*
Performing Research in Computer Vision for Structure From Motion in mixed fisheye and perspective scenarios
- Reconstruction from images
- Developing novel local patch descriptors
- Multiview fiducial landmark tracking

Adobe Inc. Applied Science and Machine Learning **San Francisco,CA**
Research Intern *05/19–08/19*
Performed Research in Computer Vision for novel image search paradigms for Adobe Stock.
- Led independent research into problem domain.
- Performed dataset creation from large corpus using Spark.
- Demo development and presentation to research fellows of image search.

West Virginia University **Morgantown, WV**
Ruby Distinguished Doctoral Research Fellow *08/16–05/19*
Performed independent research into Computer Vision methods in the video domains
- Action Recognition and Understanding with Recurrent Neural Networks
- Video Generation with adversarial Networks
- Domain Adaptation in images

Syglass.io **Morgantown, WV**
Software Engineer *08/13–05/16*
Developed and maintained a C++/C# application for 3D visualization of large microscopy datasets
- Implemented efficient algorithms for 3D rendering and visualization
- Implemented SQL database storage and retrieval of user experience journals
- Optimized REST api for processing and serving large datasets

Skills

Languages: Python, C/C++, C#, Java, SQL, MATLAB, LaTeX

Technologies: PyTorch, TensorFlow, OpenCV, Git, Colmap, Spark, AWS, Unity3D, Docker

Projects: Data collection, Deep Learning pipelines, Web applications, REST APIs, VR applications, Realtime Mapping

Publications

Motiian, Saeid et al.: "Unsupervised Learning of Paired Style Statistics for Unpaired Image Translation". In: *The IEEE Conference on Computer Vision and Pattern Recognition (CVPR) Workshops*. June 2019.

Pidhorskyi, Stanislav et al.: "Deep Supervised Hashing with Spherical Embedding". In: *Computer Vision – ACCV 2018*. Ed. by C.V. Jawahar et al. Cham: Springer International Publishing, 2019, pp. 417–434. ISBN: 978-3-030-20870-7.

Pidhorskyi, Stanislav et al.: *syGlass: Interactive Exploration of Multidimensional Images Using Virtual Reality Head-mounted Displays*. In: *CoRR* abs/1804.08197 (2018). arXiv: 1804.08197. http://arxiv.org/abs/1804.08197.

Motiian, Saeid et al.: *Few-Shot Adversarial Domain Adaptation*. In: *Advances in Neural Information Processing Systems 30*. Ed. by I. Guyon et al. 2017, pp. 6670–6680. http://papers.nips.cc/paper/7244-few-shot-adversarial-domain-adaptation.pdf.

Morehead, M. et al.: "Poster: BrainTrek - An immersive environment for investigating neuronal tissue". In: *2014 IEEE Symposium on 3D User Interfaces (3DUI)*. Mar. 2014, pp. 157–158. DOI: 10.1109/3DUI.2014.6798868.

Awards and Honors

WVU's Ruby Distinguished Doctoral Fellowship: Hazel Ruby McQuain Charitable Trust, 2016

WVU's top fellowship awarded in the STEM area

President: Upsilon Pi Epsilon: WVU

Elected and serve as president of the WVU chapter of UPE from 05/2018 to 08/2019 duties include organizing yearly recruitment, induction, and participation in national activities

Student Wellness Ambassador: Student Wellbeing: Promotion and Education

Conduct peer-to-peer health education on topics related to stress, sexual health, and safe drinking habits with college students.

Second Place Mylan Hack Summit 2015: Mylan Pharmaceuticals

Worked in a five person design team on an idea brainstorming and sharing platform Placed second out of twenty-nine competent teams from regional Universities

Eta Kappa Nu Honorary Fraternity: Corresponding Secretary

Managed and automated the membership invitations for new inductees

Other Fraternal Organizations: Tau Beta Pi, Fall 2014

Personal Information

US Citizen, native English speaker, valid passport, accustomed to travelling abroad, willing to relocate or work remotely.