

Quinn Jones | Computer Scientist

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Seeking a PhD in the study of Computer Vision, specializing in the new field of Deep Learning Neural Networks

Education

West Virginia University

Morgantown, WV

Bachelor's Degrees in Computer Science and Computer Engineering, 3.89

2011–2016

Study and research including Software Engineering, Machine Learning, Computer Vision, Computer Graphics, and Mobile Medical Devices **Studied Abroad Fall 2012 at Al Akhawayn University; Ifrane Morocco**

Graduating Summa Cum Laude and Honors College Alumnus

Coursework

Application of Neural Networks, 3D Computer Vision, Functional Programming Languages and Concurrency, Human Computer Interaction, Data Computer Communications

Experience

Research and Development.....

West Virginia University Sensory Neuroscience Research Center

Morgantown, WV

Undergraduate Research Assistant

05/13–Present

Computer science researcher working in tandem with Neuroscientists to enable deeper study of the brain.

Projects include:

- Developed a first of it's kind Interactive Virtual Reality System for inspecting cellular scale tissues
 - Featured in WVU Today, IEEE 3DUI conference, and three undergraduate symposia
- Developed a Computer Vision based linear classifier for use with three dimensional neural models
- Developed database and RESTful clients to allow synchronizing relational information between clients

NASA IV&V Center

Fairmont, WV

Software Development Intern

06/15–07/15

Lead software developer on a NASA intern team developing a report generating software solution

- Researched and Developed a report generating software solution
- Learned and utilized .NET Framework, C# and Windows OpenXML
- Generated all software requirements from stakeholder interviews
- Presented results to stakeholders at IV&V and NASA Headquarters in symposium format

Other Experience.....

West Virginia University Summit Hall

Morgantown, WV

Resident Assistant

08/13–06/15

- Led peer education for Summit Hall
- Managed a fixed floor budget that supplied the students' events
- Taught students skills for a successful University career

Publications and Presentations

Braintrek: An immersive environment for investigating neuronal tissue.:

M. Morehead, Q. Jones, J. Blatz, P. Holcomb, J. Schultz, T. DeFanti, M. Ellisman, G. Doretto, and G. A. Spirou. In IEEE Symposium on 3D User Interfaces, pages 157–158, 2014.

Presentations.....

Automatic classification of neuron morphology.:

Q. K. Jones, M. D. Morehead, G. A. Spirou, and G. Doretto. In Undergraduate Research Day at the Capitol (URDC), Charleston, WV, March 4, 2015. West Virginia Department of Education and the Arts.

Automatic classification of neuron morphology by age or type.:

Q. K. Jones, M. D. Morehead, G. A. Spirou, and G. Doretto. In Summer Undergraduate Research Symposium, Morgantown, WV, July 24, 2014. West Virginia University. (Abstract and Poster).

The implementation of a virtual reality system to aid neuroscience research.:

Q. K. Jones, M. Morehead, J. M. Blatt, T. Iyalla, G. Spirou, and G. Doretto. In Eleventh Annual Undergraduate Research Day at the Capitol (URDC), Charleston, WV, January 30, 2014. West Virginia Department of Education and the Arts.

The implementation of a virtual reality system for the purpose of neuroscience research.:

Q. K. Jones, M. D. Morehead, J. M. Blatt, T. E. Iyalla, G. A. Spirou, and G. Doretto. In Summer Undergraduate Research Symposium, Morgantown, WV, July 25, 2013. West Virginia University. (Abstract and Poster)

Computer skills

Programming Languages: Exceptionally fluent in Matlab, C, C++, C#, Java, Javascript, Angularjs, HTML, CSS, Bash, Python 2&3, x86 and 68k Assembly

Platforms: Experience with Linux (including Ubuntu distros, CentOS, and RHEL), Windows, Arduino, FPGA, Raspberry PI, Amazon Web Services

Application Software: Advanced experience with Git, L^AT_EX, Adobe Illustrator, Blender 3D modelling, Meshlab, Gimp Photo Editor

Awards and Honors

President's List: WVU Fall 2011, Spring & Fall 2012, Spring 2013, Spring 2014, and Fall 2015

Dean's List: WVU Fall 2013, Fall 2014, and Spring 2015

STEM Summer Undergraduate Research Scholar: WVU, 2013

Researched 3D Computer Visualization, Supervised by G. Doretto

Summer Undergraduate Research Scholar: WVU, 2014

Researched 3D Computer Vision, Supervised by G. Doretto

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 the membership invitations for new inductees

Automated the invitation emails through gmail integration

Other Fraternal Organizations: Tau Beta Pi, Fall 2014 and Upsilon Pi Epsilon, Spring 2015

Personal Information

US Citizen, native English speaker with basic French background, well-travelled

Leisure Interests: bodybuilding, rock climbing, bouldering, reading, watching films, modern and postmodern art (particularly M.C. Escher, Marcel Duchamp, and Dale Chihuly)