Julia Computing Awarded $910,000 Grant by Alfred P. Sloan Foundation

June 26, 2017

CAMBRIDGE, Mass., June 26, 2017 — Julia Computing (https://newsletter.juliacomputing.com/sendy/l/2lTN9ryYlH0aXrqgRXyMgw/8925T1wXsRsrd8tU724fUm763Q/xfx4ma7Un9CL1nmHswFWsw) has been granted $910,000 by the Alfred P. Sloan Foundation to support open-source Julia development, including $160,000 to promote diversity in the Julia community.

The grant will support Julia training, adoption, usability, compilation, package development, tooling and documentation.

The diversity portion of the grant will fund a new full-time Director of Diversity Initiatives plus travel, scholarships, training sessions, workshops, hackathons and Webinars. Further information about the new Director of Diversity Initiatives position is below for interested applicants.

Julia Computing CEO Viral Shah says, “Diversity of backgrounds increases diversity of ideas. With this grant, the Sloan Foundation is setting a new standard of support for diversity which we hope will be emulated throughout STEM.”

Diversity efforts in the Julia community have been led by JuliaCon Diversity Chair, Erica Moszkowski. According to Moszkowski, “This year, we awarded $12,600 in diversity grants to help 16 participants travel to, attend and present at JuliaCon 2017. Those awards, combined with anonymous talk review, directed outreach, and other efforts have paid off. To give one example, there are many more women attending and presenting than in previous years, but there is a lot more we can do to expand participation from underrepresented groups in the Julia community. This support from the Sloan Foundation will allow us to scale up these efforts and apply them not just at JuliaCon, but much more broadly through Julia workshops and recruitment.”

Julia Computing seeks job applicants for Director of Diversity Initiatives. This is a full-time salaried position. The ideal candidate would have the following characteristics:

- Familiarity with Julia
- Strong scientific, mathematical or numeric programming skills required – e.g. Julia, Python, R
- Eager to travel, organize and conduct Julia trainings, conferences, workshops and hackathons
- Enthusiastic about outreach, developing and leveraging relationships with universities and STEM diversity organizations such as YesWeCode, Girls Who Code, Code Latino and Black Girls Code
- Strong organizational, communication, public speaking and training skills required
- Passionate evangelist for Julia, open source computing, scientific computing and increasing diversity in the Julia community and STEM
- This position is based in Cambridge, MA

Interested applicants should send a resume and statement of interest to jobs@juliacomputing.com (mailto:jobs@juliacomputing.com).

Julia is the fastest modern high performance open source computing language for data, analytics, algorithmic trading, machine learning and artificial intelligence. Julia combines the functionality and ease of use of Python, R, Matlab, SAS and Stata with the speed of C++ and Java. Julia delivers dramatic improvements in simplicity, speed, capacity and productivity. Julia provides parallel computing capabilities out of the box and unlimited scalability with minimal effort. With more than 1 million downloads and +161% annual growth, Julia is one of the top 10 programming languages developed on GitHub and adoption is growing rapidly in finance, insurance, energy, robotics, genomics, aerospace and many other fields.

Julia users, partners and employers hiring Julia programmers in 2017 include Amazon, Apple, BlackRock, Capital One, Comcast, Disney, Facebook, Ford, Google, Grindr, IBM, Intel, KPMG, Microsoft, NASA, Oracle, PwC, Raytheon and Uber.

Julia is lightning fast. Julia provides speed improvements up to 1,000x for insurance model estimation, 225x for parallel supercomputing image analysis and 10x for macroeconomic modeling.

Julia provides unlimited scalability. Julia applications can be deployed on large clusters with a click of a button and can run parallel and distributed computing quickly and easily on tens of thousands of nodes.

Julia is easy to learn. Julia’s flexible syntax is familiar and comfortable for users of Python, R and Matlab.

Julia integrates well with existing code and platforms. Users of C, C++, Python, R and other languages can easily integrate their existing code into Julia.

Elegant code. Julia was built from the ground up for mathematical, scientific and statistical computing. It has advanced libraries that make programming simple and fast and dramatically reduce the number of lines of code required – in some cases, by 90% or more.

Julia solves the two language problem. Because Julia combines the ease of use and familiar syntax of Python, R and Matlab with the speed of C, C++ or Java, programmers no longer need to estimate models in one language and reproduce them in a faster production language. This saves time and reduces error and cost.

About Julia Computing

Julia Computing was founded in 2015 by the creators of the open source Julia language to develop products and provide support for businesses and researchers who use Julia.

About The Alfred P. Sloan Foundation

The Alfred P. Sloan Foundation is a not-for-profit grantmaking institution based in New York City. Founded by industrialist Alfred P. Sloan Jr., the Foundation makes grants in support of basic research and education in science, technology, engineering, mathematics, and economics. This grant was provided through the Foundation’s Data and Computational Research program, which makes grants that seek to leverage developments in digital information technology to maximize the efficiency and trustedness of research. sloan.org (https://newsletter.juliacomputing.com/sendy/l/2lTN9ryYlH0aXrqgRXyMgw/fV1Hq2ZK8s9z4KVkL9zqWw/xfx4ma7Un9CL1nmHswFWsw)

Source: Julia Computing

Off The Wire Industry Headlines

November 27, 2017

- Nuance and NVIDIA to Advance AI for Radiology (https://www.hpcwire.com/off-the-wire/nuance-nvidia-advance-ai-radiology/)
- NIH Supercomputer Ranks No. 66 on Top500 List (https://www.hpcwire.com/off-the-wire/nih-supercomputer-ranks-no-66-top500-list/)
- WekaIO's High-Performance File System Now Available on AWS Marketplace (https://www.hpcwire.com/off-the-wire/wekaios-high-performance-file-system-now-available-aws-marketplace/)

November 22, 2017

- Oakforest-PACS Ranks Number One on IO-500 (https://www.hpcwire.com/off-the-wire/oakforest-pacs-ranks-number-one-io-500/)
- Argonne Appoints Chief of Staff Megan Clifford (https://www.hpcwire.com/off-the-wire/argonne-appoints-chief-staff-megan-clifford/)
- David Womble Named ORNL AI Program Director (https://www.hpcwire.com/off-the-wire/david-womble-named-ornl-ai-program-director/)
- NCSA Announces GECAT Funding of Two International Seed Projects (https://www.hpcwire.com/off-the-wire/ncsa-announces-gecat-funding-two-international-seed-projects/)
- Inspur Wins Contract for NVLink V100 Based Petascale AI Supercomputer from CCNU (https://www.hpcwire.com/off-the-wire/inspur-wins-contract-nvlink-v100-based-petascale-ai-supercomputer-ccnu/)

November 21, 2017

- InfiniBand Accelerates the World's Fastest Supercomputers (https://www.hpcwire.com/off-the-wire/infiniband-accelerates-worlds-fastest-supercomputers/)
- Five from ORNL Elected Fellows of American Association for the Advancement of Science (https://www.hpcwire.com/off-the-wire/five-ornl-elected-fellows-american-association-advancement-science/)
- HPE Announces Antonio Neri to Succeed Meg Whitman as CEO (https://www.hpcwire.com/off-the-wire/hpe-announces-antonio-neri-succeed-meg-whitman-ceo/)
- RAIDIX Data Storage Celebrates RAID's 30th Anniversary (https://www.hpcwire.com/off-the-wire/raidix-data-storage-celebrates-raids-30th-anniversary/)
- DDN Congratulates Customer JCAHPC for Winning Inaugural IO500 Award (https://www.hpcwire.com/off-the-wire/ddn-congratulates-customer-jcahpc-winning-inaugural-io500-award/)
- First-Ever High School Team Squares Off Against Top Universities in Annual Supercomputing Challenge (https://www.hpcwire.com/off-the-wire/first-ever-high-school-team-squares-off-top-universities-annual-supercomputing-challenge/)

November 20, 2017

- Croatia Signs the European Declaration on High-Performance Computing (https://www.hpcwire.com/off-the-wire/croatia-signs-european-declaration-high-performance-computing/)
- AMD EPYC Processor Powers New HPE Gen10 Server to World Records in SPEC CPU Benchmarks (https://www.hpcwire.com/off-the-wire/amd-epyc-processor-powers-new-hpe-gen10-

HPC Job Bank

HPC Engineer - The HDF Group (http://careers.hpcwire.com/jobdetails.cfm?jid=2366)

View this Career Listing (http://careers.hpcwire.com/jobdetails.cfm?jid=2366)

Systems Administrators: Servers, Clusters and Supercomputers for Computational Biochemistry - D. E. Shaw Research (http://careers.hpcwire.com/jobdetails.cfm?jid=2508)

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More Career Resources (http://careers.hpcwire.com)

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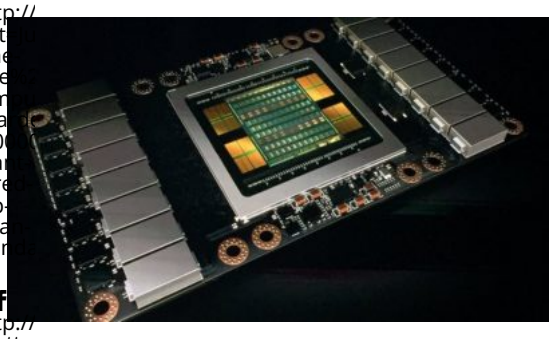

V100 Good but not Great on Select Deep Learning Aps, Says Xcelerit

(https://www.hpcwire.com/2017/11/27/v100-good-not-great-select-deep-learning-aps-says-xcelerit/)

Wringing optimum performance from hardware to accelerate deep learning applications is a challenge that often depends on the specific application in use. A benchmark report

Read more… (https://www.hpcwire.com/2017/11/27/v100-good-not-great-select-deep-learning-aps-says-xcelerit/)

By John Russell

(http://twitter.com/intent/tweet?status=V100%20Good%20but%20not%20Great%20on%20Select%20Deep%20Learning%20Aps%2C%20Says%20Xcelerit+https%3A%2F%2Fwww.hpcwire.com%2F2017%2F11%2F27%2Fv100-good-not-great-select-deep-learning-aps-says-xcelerit%2F) (http://www.linkedin.com/shareArticle?mini=true&url=https%3A%2F%2Fwww.hpcwire.com%2F2017%2F11%2F27%2Fv100-good-not-great-select-deep-learning-aps-says-xcelerit%2F&title=V100%20Good%20but%20not%20Great%20on%20Select%20Deep%20Learning%20Aps%2C%20Says%20Xcelerit&source=https%3A%2F%2Fwww.hpcwire.com%2F2017%2F11%2F27%2Fv100-good-not-great-select-deep-learning-aps-says-xcelerit%2F&title=V100%20Good%20but%20not%20Great%20on%20Select%20Deep%20Learning%20Aps%2C%20Says%20Xcelerit&source=https%3A%2F%2Fwww.hpcwire.com%2F2017%2F11%2F27%2Fv100-good-not-great-select-deep-learning-aps-says-xcelerit%2F) (http://www.facebook.com/sharer/sharer.php?u=https%3A%2F%2Fwww.hpcwire.com%2F2017%2F11%2F27%2Fv100-good-not-great-select-deep-learning-aps-says-xcelerit%2F&title=V100%20Good%20but%20not%20Great%20on%20Select%20Deep%20Learning%20Aps%2C%20Says%20Xcelerit/) (https://plus.google.com/share?url=https%3A%2F%2Fwww.hpcwire.com%2F2017%2F11%2F27%2Fv100-good-not-great-select-deep-learning-aps-says-xcelerit%2F)

SC17 US Student Cluster Competition Teams: Defending the Home Turf

(https://www.hpcwire.com/2017/11/24/sc17-us-student-cluster-competition-teams-defending-home-turf/)

Nine US universities showed up to the SC17 Student Cluster Competition in an attempt to keep the trophies in the United States. Let's use our video lens to get to know them a

more… (https://www.hpcwire.com/2017/11/24/sc17-us-student-cluster-competition-teams-defending-home-turf/)

By Dan Olds

(http://twitter.com/intent/tweet?status=SC17%20US%20Student%20Cluster%20Competition%20Teams%3A%20Defending%20the%20Home%20Turf+https%3A%2F%2Fwww.hpcwire.com%2F2017%2F11%2F24%2Fsc17-us-student-cluster-competition-teams-defending-home-turf%2F) (http://www.linkedin.com/shareArticle?mini=true&url=https%3A%2F%2Fwww.hpcwire.com%2F2017%2F11%2F24%2Fsc17-us-student-cluster-competition-teams-defending-home-turf%2F&title=SC17%20US%20Student%20Cluster%20Competition%20Teams%3A%20Defending%20the%20Home%20Turf&source=https%3A%2F%2Fwww.hpcwire.com%2F2017%2F11%2F24%2Fsc17-us-student-cluster-competition-teams-defending-home-turf%2F&title=SC17%20US%20Student%20Cluster%20Competition%20Teams%3A%20Defending%20the%20Home%20Turf&source=https%3A%2F%2Fwww.hpcwire.com%2F2017%2F11%2F24%2Fsc17-us-student-cluster-competition-teams-defending-home-turf%2F) (http://www.facebook.com/sharer/sharer.php?u=https%3A%2F%2Fwww.hpcwire.com%2F2017%2F11%2F24%2Fsc17-us-student-cluster-competition-teams-defending-home-turf/)

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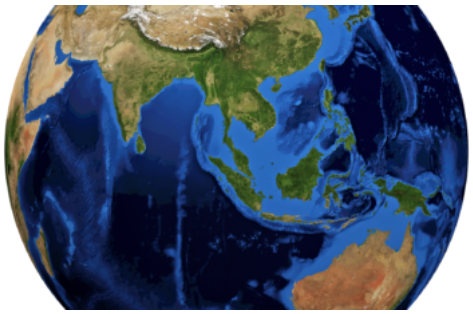

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Long Flights to Cluster Fights: Meet the Asian Student Cluster Teams

(https://www.hpcwire.com/2017/11/22/long-flights-cluster-fights-meet-asian-student-cluster-teams/)

Five teams from Asia traveled thousands of miles to compete at the SC17 Student Cluster Competition in Denver. Our cameras were there to meet 'em, greet 'em, and grill 'em
More… (https://www.hpcwire.com/2017/11/22/long-flights-cluster-fights-meet-asian-student-cluster-teams/)

By Dan Olds

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HPE Wins "Best HPC Server" for the Apollo 6000 Gen10 System (https://www.hpcwire.com/solution_content/hpe/n
best-hpc-server-apollo-6000-gen10-system/)

Hewlett Packard Enterprise (HPE) was nominated for 14 HPCwire Readers' and Editors' Choice Awards (https://www.hpcwire.com/off-the-wire/hpcwire-reveals-winners-2017-re
denver/)—including "Best High Performance Computing (HPC) Server Product or Technology" and "Top Supercomputing Achievement." The HPE Apollo 6000 Gen10 (https://w
was named "Best HPC Server" of 2017. Read more… (https://www.hpcwire.com/solution_content/hpe/media-entertainment/hpe-wins-best-hpc-server-apollo-6000-gen10-syste

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Previous:

- Harness Scalable Petabyte Storage with HPE Apollo 4510 and HPE StoreEver (https://www.hpcwire.com/solution_content/hpe/media-entertainment/harness-scalable-petaby
- Explore the Future of HPC at HP-CAST 29 (https://www.hpcwire.com/solution_content/hpe/government-academia/explore-future-hpc-hp-cast-29/)
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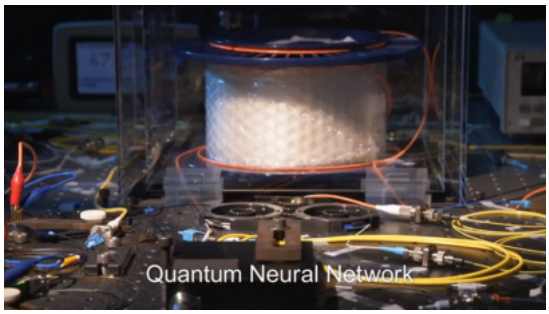

Japan Unveils Quantum Neural Network

(https://www.hpcwire.com/2017/11/22/japan-unveils-first-quantum-computer-prototype/)

The U.S. and China are leading the race toward productive quantum computing, but it's early enough that ultimate leadership is still something of an open question. The latest g

Read more… (https://www.hpcwire.com/2017/11/22/japan-unveils-first-quantum-computer-prototype/)

By Tiffany Trader

Perspective: What Really Happened at SC17?

(https://www.hpcwire.com/2017/11/22/what-really-happened-at-sc17/)

SC is over. Now comes the myriad of follow-ups. Inboxes are filled with templated emails from vendors and other exhibitors hoping to win a place in the post-SC thinking of boo
(https://www.hpcwire.com/2017/11/22/what-really-happened-at-sc17/)

By Andrew Jones

(http://twitter.com/intent/tweet?status=Perspective%3A%20What%20Really%20Happened%20at%20SC17%3F+https%3A%2F%2Fwww.hpcwire.co
sc17%2F) (http://www.linkedin.com/shareArticle?mini=true&url=https%3A%2F%2Fwww.hpcwire.com%2F2017%2F11%2F22%2Fwhat-really-happen
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(https://plus.google.com/share?url=https%3A%2F%2Fwww.hpcwire.com%2F2017%2F11%2F22%2Fwhat-really-happened-at-sc17%2F)

Turnaround Complete, HPE's Whitman Departs
(https://www.hpcwire.com/2017/11/22/turnaround-complete-hpes-whitman-departs/)

Having turned around the aircraft carrier the Silicon Valley icon had become, Meg Whitman is leaving the helm of a restructured Hewlett Packard. Read more… (https://www.hp
departs/)

By George Leopold

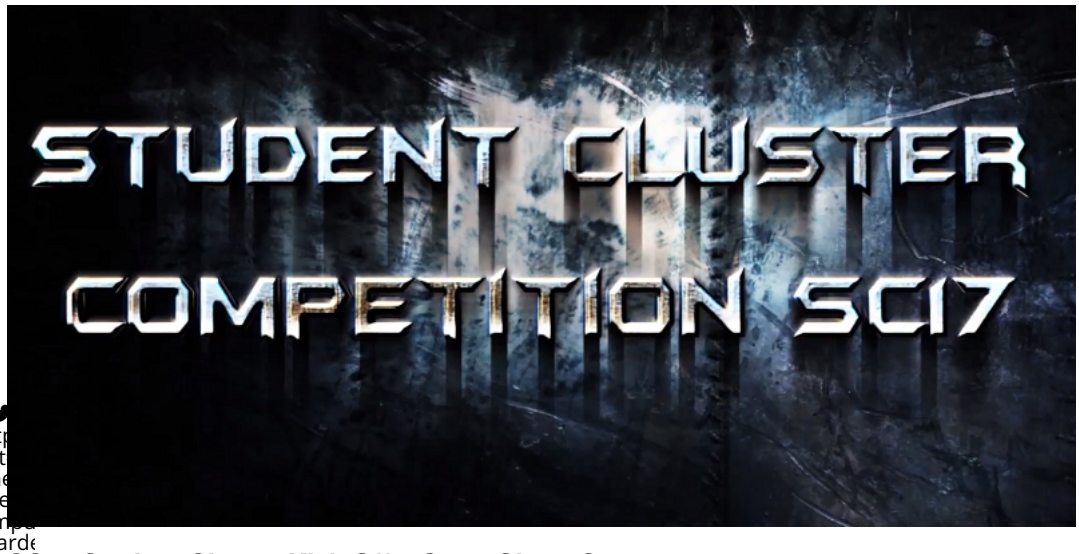
Live and in Color, Meet the European Student Cluster Teams

(https://www.hpcwire.com/2017/11/21/live-color-meet-european-student-cluster-teams/)

The SC17 Student Cluster Competition welcomed two teams from Europe, the German team of FAU/TUC and Team Poland, the pride of Warsaw. Read more… (https://www.hpcwire.com/2017/11/21/live-color-meet-european-student-cluster-teams/)

By Dan Olds

(http://twitter.com/intent/tweet?status=Live%20and%20in%20Color%2C%20Meet%20the%20European%20Student%20Cluster%20Teams+https%3A%2F%2Fwww.hpcwire.com%2F2017%2F11%2F21%2Flive-color-meet-european-student-cluster-teams%2F) (http://www.linkedin.com/shareArticle?mini=true&url=https%3A%2F%2Fwww.hpcwire.com%2F2017%2F11%2F21%2Flive-color-meet-european-student-cluster-teams%2F&title=Live%20and%20in%20Color%2C%20Meet%20the%20European%20Student%20Cluster%20Teams&source=https%3A%2F%2Fwww.hpcwire.com%2F2017%2F11%2F21%2Flive-color-meet-european-student-cluster-teams%2F) (http://www.facebook.com/sharer/sharer.php?u=https%3A%2F%2Fwww.hpcwire.com%2F2017%2F11%2F21%2Flive-color-meet-european-student-cluster-teams%2F&title=Live%20and%20in%20Color%2C%20Meet%20the%20European%20Student%20Cluster%20Teams/) (https://plus.google.com/share?url=https%3A%2F%2Fwww.hpcwire.com%2F2017%2F11%2F21%2Flive-color-meet-european-student-cluster-teams%2F)



SC17 Student Cluster Kick Off – Guts, Glory, Grep

(https://www.hpcwire.com/2017/11/21/sc17-student-cluster-kick-off-guts-glory-grep/)

The SC17 Student Cluster Competition started with a well-orchestrated kick-off emceed by Stephen Harrell, the competition chair. Read more… (https://www.hpcwire.com/2017

By Dan Olds

Activist Investor Starboard Buys 10.7% Stake in Mellanox; Sale Possible?

(https://www.hpcwire.com/2017/11/20/activist-investor-starboard-buys-10-7-stake-mellanox-sale-possible/)

Starboard Value has reportedly taken a 10.7 percent stake in interconnect specialist Mellanox Technologies, and according to the *Wall Street Journal*, has urged the company "

The *WSJ* article, written by David Benoit, reports, "The New York activist investor has a long record of successful semiconductor investments, highlighted earlier Monday by Ma

confirms-6-billion-purchase-of-cavium-1511181231) for Cavium Inc., less than two years after Starboard arrived and the company promptly ousted its founders. Read more… (h

buys-10-7-stake-mellanox-sale-possible/)

By John Russell