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/sendyl/2ITN9ryYHIoAxrggRXyMgw/8925T1wXxRsrd8tU724flUm763Q/xlx4ma7Un9Cl1nmHswFWsw) 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 Moskowski. According to Moskowski, “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 contributions, are a powerful testament to the Julia community’s commitment to diversity. 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 hackathons.”

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:

- Strong scientific, mathematical or numeric programming skills required – e.g. Julia, Python, R
- 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’s 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.

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.
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Off The Wire

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/)

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-of-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
- Five from ORNL Elected Fellows of American Association for the Advancement of Science (https://www.hpcwire.com/off-the-wire/five-orl-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/)
- DDN Congratulates Customer JCAHPC for Winning Inaugural I500 Award (https://www.hpcwire.com/off-the-wire/ddn-congratulates-customer-jcahpc-winning-inaugural-i500-award/)

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/)

Industry Headlines

HPC Job Bank

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

SC17 US Student Cluster Competition Teams: Defending the 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

By Dan Olds
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Japan Unveils Quantum Neural Network

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...
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SC 2017 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-
Pics, videos, even infographics. But few of the 25,000 attendees who stomped the floor of the Colorado Convention Center will return to their jobs with a specific lesson in mind.

So, what did they learn? What did they think? What can we say about the politics of the show to the needle in the haystack of the industries involved? And, most importantly, what are the options for industry-

By Andrew Jones

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Live and in Color, Meet the 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…

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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...

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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 “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...

By Dan Olds

By John Russell