

Jeho Park

Leading interdisciplinary collaboration in research computing and education.

Claremont, CA, United States | [LinkedIn](#)

With over 18 years of experience, I serve as the Founding Director of the Murty Sunak Quantitative and Computing Lab at Claremont McKenna College, where I lead initiatives to support students and faculty on quantitative challenges, encompassing mathematics, computation, statistics, programming, data analysis, and visualization. Concurrently, I oversee the Data Science Capstone Program, facilitating collaborations with businesses, non-profits, and public agencies to provide students with hands-on experience in data science and analytics.

My academic expertise lies in high-performance computing, AI, machine learning, and data science, supported by skills in higher education teaching, data science, and business networking. I am also committed to fostering entrepreneurship and innovation, as demonstrated through my leadership roles within the Korean-American Scientists and Engineers Association (KSEA), where I organize programs that promote collaboration among professionals in the tech and startup ecosystem.

EXPERIENCE

Vice President

Jul 2023 — Jun 2024

Korean-American Scientists and Engineers Association (KSEA)

Entrepreneurship Director

Jul 2022 — Jun 2023

Korean-American Scientists and Engineers Association (KSEA)

Organized and led STEP-UP (Science and Technology Entrepreneurship Partners' Upscale Program) 2023. The event aimed to promote and enrich the entrepreneurship of KSEA members, with a focus on discussing successful innovative companies in arts, entertainment, and technology. More than 130 participants from various sectors of the startup ecosystem attended the program, engaging in networking, invited speaker sessions, startup elevator pitches, and regular pitches to foster collaboration and knowledge sharing among passionate entrepreneurs.

Founding Director of the Murty Sunak Quantitative and Computing Lab

Jul 2018 — Present

Claremont McKenna College

Claremont, California, United States

The CMC Data Science Capstone program is an opportunity to partner with Claremont McKenna College (CMC) through a structured practicum course in data science. Groups of students under the guidance of faculty advisors will be working with client liaisons on cleaning, querying, analyzing, and modeling data for businesses, non-profit organizations, and public agencies. Participating clients will get much needed data projects off the ground while establishing relationship with the College by assisting in the training of the next generation of employable undergraduates in data science and data analytics.

Co-Founder, Director of Data Analysis

Mar 2018 — Nov 2019

SoDAVi Group

Greater Los Angeles Area

General Director

Jul 2017 — Jun 2018

Korean-American Scientists and Engineers Association (KSEA)

Vienna, VA

Worked on establishing a professional mentoring program for Korean-American scientists and engineers in the U.S.

Reviewed and helped implementations of numerous projects administered by local chapters and professional affiliated society groups.

President

Apr 2017 — Jul 2019

The Korean Computer Scientists and Engineers Association in America (KOCSEA)

Organized KOCSEA Annual Symposium 2017 held in Las Vegas, NV, KOCSEA 2018 in Silicon Valley, CA and KOCSEA 2019 in Atlanta, GA; 150+ participants attended, 7+ local and international sponsors recruited.

Adjunct Professor

Aug 2016 — Dec 2016

Claremont Graduate University

Claremont, CA

+ Taught Introduction to Parallel and High Performance Computing course for non-CS graduate and undergraduate students at the Claremont Colleges.

+ Covered traditional and emerging technologies in advanced computing topics using MPI (distributed memory processing), OpenMP (shared memory processing), OpenACC (GPU computing), Hadoop and Spark (distributed computing/Big Data), etc.

Associate Director, Academic and Research Computing Services

Mar 2012 — Jun 2018

Harvey Mudd College

Claremont, CA

+ Developed and led various user training workshops for students and faculty on quantitative analysis, data-driven computing, high-performance computing, and scientific/statistical computing including R, Big Data (Hadoop and Spark), Machine Learning (TensorFlow), Tableau, Matlab, Git/GitHub, parallel processing, and Linux command-line computing.

+ Provided expert knowledge and guidance on utilizing advanced computing resources for interdisciplinary research projects and grant writings; recently involved in awarding Harvey Mudd data science summer REU site grant from NSF.

+ Developed and improved teaching materials such as R tutorials, Linux lab exercises, and Git/GitHub activities for regular courses offered by computer science, mathematics, and chemistry department: "Revamping Math 35", "Teaching Linux and Git for CS70", "Developing Web and Linux Interface for Computational Chemistry Lab", etc.

+ Initiated research computing services in the central IT department; fully established the service and hired two research

computing interns in 2017 and 2018.

+ Trained student interns on providing consultation to faculty and students on their use of scientific and statistical computing tools.

+ Procured and managed local, regional, and national high-performance computing resources for statistical and data-intensive computing needs at the College.

+ Provided the computing trends in quantitative analysis tools and methods; provided recommendations on the future requirements and procurement of data management, data analysis, and interdisciplinary research computing resources.

+ Involved in nationwide cyberinfrastructure facilitators' activities such as XSEDE Campus Champions, ACI-REF (Advanced Cyberinfrastructure - Research and Education Facilitators), and CLAC-HPC (Consortium of Liberal Arts Colleges - High Performance Computing) group.

IT Director/Web Developer

Claremont Center for the Mathematical Sciences

+ Developed and managed the CCMS website (<http://ccms.claremont.edu>) using Drupal CMS.

+ Ex-officio member of the Executive Committee.

Jan 2007 — Jul 2015

Claremont, CA, USA

Research Assistant

California State University, Long Beach

(Note that the duration of employment for this position is not correct due to the way LinkedIn calculate the duration. I was not employed continuously for the period of time. For years and semesters I worked for CSULB are shown in each of the courses)

+ Taught a Business Application Programming course using Python for the Information Systems Department (2015-2016).

+ Taught graduate and undergraduate CS courses: Operating Systems (Fall 2009), Parallel Programming (Spring 2009), Net-centric Computing (Spring and Fall 2009), Discrete Mathematics (Fall 2005 and Spring 2006).

+ Developed a new teaching plans and materials of Net-centric Computing course for undergraduate students.

+ Involved in course assessment test development for Discrete Mathematics course for Computer Science students.

Sep 2005 — Dec 2016

Long Beach, CA, USA

Computing Coordinator/Consultant

Claremont Graduate University

Installed, administered, and managed Linux computers and software packages for math computing lab.

Directed faculty and students in their academic computing for programming languages (C/C++, Java, FORTRAN, script languages), mathematical software tools (Matlab, Mathematica, SPSS, R), scientific computing tools (COMSOL, GAMS, and ARENA). Built an academic portal website with an open-source CMS (Drupal) for CCMS (Claremont Center for the Mathematical Sciences - <http://ccms.claremont.edu>) using PHP, MySQL, and Java. Managed the school's web site (<http://www.cgu.edu/math>) and the CCMS website.

Sep 2001 — Jan 2009

EDUCATION

Claremont Graduate University

Ph.D in Applied Mathematics/Computer Science, Parallel Computing, HPC, Statistical Modeling

Jan 2000 — Jan 2008

California State University, Long Beach

Master of Science (MS) in Computer Science, Parallel Computing, High Performance Computing

Jan 1997 — Jan 1999

CERTIFICATIONS

EDUCAUSE Presenter, EDUCAUSE

Feb 2014

5 Things You Should Know About Digital Badges (Poster),

Providing the Missing Piece for Advanced and High-Performance Computing at Liberal Arts Colleges (Poster),

A Comparative Performance Study for Compute Node Sharing,

A Bite of Learning: A Presentation Series That Fosters Innovation in Teaching and Research (Presentation),

An empirical approach to communication and performance modeling for message passing parallel applications on cluster systems,

Self-similarity in Message Passing Parallel Processing Communication,

An accurate monitoring of truck waiting and flow times at a terminal in the los angeles/long beach ports,

SKILLS

Research Computing · Interdisciplinary Collaboration · Higher Education Teaching · Data Science · Business Networking · Business Development · Small Business · Business Consulting · Start-up Consulting · Startup Development · Early-stage Startups · Launching Start-ups · Technology Start-up · Start-up Organizations · Matlab ·

Mathematica · Applied Mathematics · LaTeX · R · C++ · Java · Computer Science · C · Teaching ·
Programming · Higher Education · Numerical Analysis · Mathematical Modeling · Parallel Computing · HTML ·
Mac OS X · Statistics · JavaScript · High Performance Computing · Linux · Scientific Computing · Algorithms ·
Machine Learning · Python · Parallel Programming · Simulations · Research · Data Analysis · Python
(Programming Language)