

# Sang Jun Park

4614 Lerner Hall, 2920 Broadway, New York, NY 10027  
260-450-6374 | sp3394@columbia.edu | <https://github.com/sangjunp4rk>

## EDUCATION

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**Columbia University, School of Engineering and Applied Science** New York, NY – Expected May 2019

- *Bachelor of Science – Computer Science (Concentration: Data Science), Philosophy Minor* | GPA 3.29/4.0
- *Relevant Coursework:* Honors Intro to Computer Science, Data Structures and Algorithms, Discrete Math: Intro to Combinatorics and Graph Theory, and Intro to Python

## EXPERIENCE

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**Oak Ridge National Laboratory, Oak Ridge, TN** June 2016 – September 2016

- *Summer Research Intern* in Dr. Olufemi Omitaomu's lab. Will be researching in the field of machine learning.

**Computer Science Projects at Indiana University-Purdue University, Fort Wayne, IN** 2012 - 2015

- *Big SAM: Leveraging Cloud Computing for Spatial Association Mining:* Investigated processing of spatial and temporal incident data in a cloud computing environment (2014)
- *Where and When: Hometown Incident Analysis and Situational Awareness:* Analyzed micro-level incidents using spatial association rule mining techniques to discover relationships among local crime incidences and environmental factors (2013)

**National Institute of Health, Bethesda, MD** June 2014 – August 2014

*Summer Research Intern* in Laboratory of Cell Biology, PI: Dr. Sriram Subramaniam

- Investigated procedural methodologies for high-resolution cryo-electron microscopy
- Streamlined a framework to rapidly image previously unstudied metabolic pathways of cancer
- Conducted 3D protein reconstructions with EMAN2 imaging software

## HONORS/AWARDS

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- **Columbia University Egleston Scholar Class of 2019:** Comprehensive four-year program designed to support and enrich the *top one percent* of Columbia Engineering applicants
  - **Best Health App in 2016 Columbia Devfest Hackathon**, New York, NY
  - **Semifinalist in 2014 Siemens Competition in Math, Science & Technology**
  - **Finalist in 2013 International Intel Science and Engineering Fairs**, Phoenix, AZ
  - **Runner-up in the 2012 State Intel Science and Engineering Fair**, Indianapolis, IN
  - **Finalist in 2012, 2013 & 2015 International DECA Marketing and Business Competitions**, UT, CA & FL
  - **Runner-up in 2015 John F. Kennedy's Profiles in Courage National Essay Contest**

## LEADERSHIP

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**Mayor's Youth Engagement Council, Fort Wayne, IN (*Treasurer*)** August 2013 – May 2014

- Collaborated with the mayor to introduce community-related events for the youth
- Organized *Riverpalooza 2014*, where thousands of families gathered on the iconic three rivers of Fort Wayne to celebrate the revitalization of downtown culture

**Sharing Music with Others, Fort Wayne, IN (*Co-organizer*)** 2011 - 2014

- Encouraged talented young musicians in Indiana and Ohio to volunteer and perform in their communities

## ACTIVITIES

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**Member of Columbia University Clubs** September 2015 - Present

- Application Development Initiative, Scientists and Engineers for a Better Society, and Tennis Club

**Solo piano performance at Carnegie Hall, NY** December 2013

- Winners' recital for American Protégé Int'l Concerto Competition

**Co-captain of High School Varsity Tennis** 2012 - 2015

- State-Semifinalist and Honorable All-State Award (2015)

**Op-Ed publication "What a Dual-Credit Curriculum Sacrifices" in the *News-Sentinel*** 28 Dec. 2015

**Invited to the Clinton Foundation Codeathon at the University of California, Berkeley** 31 March 2016

## SKILLS

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**Proficient at Java, Linux, JavaScript, HTML/CSS, Android App Dev., Python**