

Seyoung Kim

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EDUCATION

UNIVERSITY OF PENNSYLVANIA | BA IN COMPUTER SCIENCE AND PHYSICS

College of Arts and Sciences | Expected May 2020 | Philadelphia, PA

Cumulative GPA: 3.71 • Dean's List (2016-2017)

SKILLS

TECHNICAL

Proficient

Python • OCaml

Familiar

Java • HTML • CSS • Git • \LaTeX

OTHER

Engineering

SolidWorks • 3D Printing • Laser Cutting

Miscellaneous

Writing • Editing • Research • Music

TECHNICAL COURSEWORK

CURRENT

Programming Languages and Techniques I (OCaml and Java) • Mathematical Foundations of Computer Science • Electrodynamics I • Quantum Mechanics I

COMPLETE

Honors Physics I and II • Calculus III (Linear Algebra and Differential Equations) • Partial Differential Equations • Introduction to Mechanical Design • Honors Chemistry I

EXPERIENCE

DRNDIC LAB AT UNIVERSITY OF PENNSYLVANIA | RESEARCH INTERN

May 2017 - Present | Philadelphia, PA

- Worked in a condensed matter physics lab. Experimented with the chemical growth of two-dimensional materials.
- Investigated the use of nanopores in two-dimensional materials for applications such as DNA sequencing and water desalination.

THOMSON LAB AT UNIVERSITY OF PENNSYLVANIA | HIGH SCHOOL INTERN INTERN

May 2016 - Aug 2016 | Philadelphia, PA

- Conducted instrumentation testing for a hardware update of CERN's Large Hadron Collider Experiment.
- Wrote software to clean data from testing of a hybrid controller chip.

ACTIVITIES

PENN AEROSPACE CLUB | BALLOON TEAM

Jan 2017 - Present | Philadelphia, PA

Completed design modifications and assembly of the payload container for a space balloon, launched in March 2017.

PENN YALLA | BUSINESS MANAGER

Sept 2016 - Present | Philadelphia, PA

Manage budget and financial records for Penn's belly dance and drum group. Write and perform tabliah drum pieces for annual spring show.

UNDER THE BUTTON | STAFF WRITER

Jan 2017 - Present | Philadelphia, PA

Write and pitch articles for Penn's humor and satire blog. Work can be found at <http://www.thedp.com/staff/seyoung-kim>.

SIMPLY CHAOS | MEMBER

Sept 2017 - Present | Philadelphia, PA

Perform as a member of Simply Chaos, Penn's standup comedy collective.