

# Seyoung Kim

[www.seyoungkim.com](http://www.seyoungkim.com)  
[seyoungk@sas.upenn.edu](mailto:seyoungk@sas.upenn.edu)  
<https://github.com/seyoungjkim>

## EDUCATION

**UNIVERSITY OF PENNSYLVANIA** | BA IN COMPUTER SCIENCE AND PHYSICS  
College of Arts and Sciences | Expected May 2020 | Philadelphia, PA  
Dean's List (2016-2017) • Cum. GPA: 3.71

## SKILLS

### TECHNICAL

Languages (Proficient)  
Python • Java • OCaml •  $\text{\LaTeX}$   
Languages (Beginning)  
HTML • CSS • Javascript  
Tools  
Git • SolidWorks

### OTHER

Written  
Microsoft Office • Writing • Editing  
Languages (Spoken)  
English • Korean

## TECHNICAL COURSEWORK

### COMPLETE

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

### CURRENT

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