

Seyoung Kim

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EDUCATION

UNIVERSITY OF PENNSYLVANIA | SCHOOL OF ENGINEERING AND APPLIED SCIENCE | PHILADELPHIA, PA

Candidate for Bachelor of Science in Engineering | Major: Computer Science | May 2020

Cumulative GPA: 3.75 • Dean's List (2016-2017)

SKILLS

TECHNICAL

Java • OCaml • Python • HTML • CSS • Git • \LaTeX

OTHER

SolidWorks • 3D Printing • Laser Cutting • Microsoft Office

TECHNICAL COURSEWORK

CURRENT

Programming Languages and Techniques II (Data Structures and Algorithms) • Introduction to Computer Architecture • Automata, Computability, and Complexity • Probability

COMPLETE

Programming Languages and Techniques I (OCaml and Java) • Mathematical Foundations of Computer Science • Calculus III (Linear Algebra and Differential Equations) • Partial Differential Equations

WORK EXPERIENCE

DRNDIC LAB AT UNIVERSITY OF PENNSYLVANIA | RESEARCH INTERN

May 2017 - August 2017 | 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

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.

PROJECTS

CONNECT FOUR | CIS 120 FINAL PROJECT

December 2017 | Philadelphia, DE

- Implemented the game Connect Four with a computer player, using Java Swing library.

CODE FOR GOOD | HISPANIC STUDENT RECOGNITION PROGRAM WEBSITE

November 2017 | Wilmington, DE

- Selected to compete in the JPMorgan Chase Code for Good Hackathon in a team of five members.
- Built a website, implemented with the Django web framework, to field applications for the Latin American Community Center's Hispanic Student Recognition Program.

ACTIVITIES

PENN YALLA | BUSINESS MANAGER

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

Write and pitch articles twice a week for Penn's humor and satire blog.

SIMPLY CHAOS | PRODUCTION CHAIR

Perform stand-up comedy and organize production of shows.