

Seyoung Kim

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Education

University of Pennsylvania, School of Engineering & Applied Science

Philadelphia, PA

CANDIDATE FOR BACHELOR OF SCIENCE IN ENGINEERING, COMPUTER SCIENCE

May 2020

- GPA: 3.75 | Dean's List 2016-17, 2017-18 | IEEE-Eta Kappa Nu: Inducted March 19, 2018, Lambda Chapter
- Relevant Coursework (current*): Programming Languages and Techniques; Algorithms and Data Structures; Automata, Computability, and Complexity, Introduction to Computer Architecture; Analysis of Algorithms*, Operating Systems*, Big Data Analytics*

Skills

Programming Java, C, Python, OCaml, HTML/CSS

Tools Git, Docker

Operating Systems Windows, Mac OS X, Linux

Work Experience

Amazon

Seattle, WA

SOFTWARE DEVELOPMENT ENGINEERING INTERN

May 2018 - August 2018

- Developed a new customer-facing package for containerized testing of user-defined code.
- Designed and scoped out internship project from a broad initial goal: smoothing customers' development process.
- Wrote documentation for design, use, and future additions to the project.

University of Pennsylvania, Dept. of Computer & Information Science

Philadelphia, PA

TEACHING ASSISTANT

Jan 2018 -

- Fall 2018: Teaching assistant for CIS 262, a theory of computation course.
- Spring 2018: Taught a lab section and graded reports for PHYS 151, an introductory electricity and magnetism course.

University of Pennsylvania, Drndic Lab

Philadelphia, PA

UNDERGRADUATE RESEARCH INTERN

May 2017 - August 2017

- Investigated chemical growth of two-dimensional materials with applications in desalination and DNA sequencing.

University of Pennsylvania, Thomson Lab

Philadelphia, PA

HIGH SCHOOL RESEARCH INTERN

May 2016 - August 2016

- 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

Hispanic Student Recognition Program Website

Wilmington, DE

CODE FOR GOOD HACKATHON

November 2017

- Built a website with a team to process applications for Latin American Community Center's Hispanic Student Recognition Program.
- Responsible for creating website functionality using Django web framework.

Activities

Penn Yalla (Belly Dance and Drum Group)

University of Pennsylvania

BUSINESS MANAGER

September 2016 -

- Converted show ticketing from a paper to online system and increased 2018 ticket revenue by over 50 percent from 2017.
- Improved long-term financial stability by securing recognition and funding from Student Activities Council.

Women in Computer Science

University of Pennsylvania

GENERAL BOARD REPRESENTATIVE

February 2018 -

- Assisted with organization of CIS department's Grace Hopper Scholarship and WiCS Wellness Week event.