

# 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: 3.72 | 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, Internet and Web Systems\*

## Skills

**Programming** Java (advanced), Python (proficient), C (familiar), HTML/CSS (familiar)

**Tools and Operating Systems** Git, Docker, Windows, Mac OS X, Linux

## Work Experience

### Amazon Web Services

Seattle, WA

SOFTWARE DEVELOPMENT ENGINEER INTERN

May 2018 - August 2018

- Developed a new customer-facing command-line tool for containerized testing of user-defined code using Python and Docker.
- Streamlined testing process by removing about 10 configuration steps and the need for cloud connection.
- Designed and scoped out milestones for the 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

Philadelphia, PA

TEACHING ASSISTANT

Jan 2018 -

- Fall 2018-Spring 2019: Served as a TA for CIS 262, a theory of computation course. Held office hours, created homework questions, graded homework, answered Piazza questions, created review materials, and taught recitations.
- Spring 2018: Served as a lab TA for PHYS 151, an introductory electricity and magnetism course. Guided students through weekly labs and graded pre-lab questions and lab reports.

## Projects

### Penn OS (Team Project)

Philadelphia, PA

UNIVERSITY OF PENNSYLVANIA

November 2018

- Built a basic operating system with file system, scheduler, and shell implemented in C for CIS 380 final project.

### Hispanic Student Recognition Program Website (Team Project)

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.

## Leadership Experience

### Penn Yalla (Belly Dance and Drum Group)

University of Pennsylvania

TREASURER (SINCE SEPTEMBER 2017)

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.
- Created persistent organization system for all important club documents, promotional material, schedules, financial information, and surveys.

### Women in Computer Science

University of Pennsylvania

GENERAL BOARD REPRESENTATIVE (SINCE FEBRUARY 2018)

February 2018 -

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

### Simply Chaos (Stand-Up Comedy Collective)

University of Pennsylvania

TREASURER (SINCE JANUARY 2019)

September 2017 -

- Write and perform original comedy sets at biannual shows.
- Successfully applied for twice as much funding as club precedent, set budget priorities, and started accounting system.