Seyoung Kim

610-203-3837 | seyoungjkim@gmail.com | seyoungjkim | seyoungjkim

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 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 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: CIS 262, a theory of computation course. Held office hours, created homework questions, graded homework, answered Piazza questions.
- Spring 2018: PHYS 151, an introductory electricity and magnetism course. Taught a lab section, graded lab reports.

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 in Python 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.