

Seyoung Kim

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Education

University of Pennsylvania, School of Engineering & Applied Science

Philadelphia, PA

BACHELOR OF APPLIED SCIENCE

May 2020

- Major: Computer Science
- Minor: Mathematics
- GPA: 3.73
- Honors: Magna Cum Laude, IEEE-Eta Kappa Nu

Skills

Languages Java, Python, C, JavaScript, Ruby, Bash, Haskell, OCaml

Web Development Ruby on Rails, HTML, CSS

Tools and Operating Systems Git, Docker, Windows, MacOS, Linux

Experience

Flexport

San Francisco, CA

SOFTWARE ENGINEERING INTERN

May 2019-August 2019

- Developed compliance tool for the Customs Engineering team using Ruby on Rails, React, and PostgreSQL.
- Implemented a fully-automated system for blocking shipments and flagging them for review, a key step in fulfilling Flexport's compliance goals.
- Worked with product, design, and legal teams to design and roll out the feature during the internship.

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 AWS Greengrass using Python and Docker.
- Streamlined testing process by removing about 10 configuration steps and the need for cloud connection.
- Took ownership of project design, milestones, and documentation.

University of Pennsylvania, Department of Computer and Information Science

Philadelphia, PA

TEACHING ASSISTANT

August 2018 -

- Serving as Head TA for CIS 262, a theory of computation course, for Fall 2019. Previously served as TA for Fall 2018-Spring 2019.
- Revamped TA structure to include dedicated rubric, office hours, and Piazza committees.
- Held office hours, created homework questions, graded homework assignments, answered Piazza questions, created review materials, and taught recitations.

Projects

Oat Compiler

Spring 2020

- Pair project: Built compiler for Oat, a C-like language, with OCaml for CIS 341
- Implemented X86 simulator, backend, frontend, typechecking, and optimizations

Diplomat

Fall 2019

- Team project: Built command-line version of Diplomat card game with Haskell for CIS 552

Penn Course Timetable

Summer 2019

- Built website to display historical Penn course information, scraped from unstructured course archive PDFs with Python (Flask).