

Stella (Seoyeon) Lee

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Education

Grinnell College

Grinnell, IA

Bachelor of Arts in Computer Science and Statistics Concentration

Expected May 2021

- GPA: 3.91/4.00 (Dean's List)
- Coursework: Analysis of Algorithms, Machine Learning, Object-Oriented Programming and Data Structure, Intro to Data Science, Databases, Informational Retrieval, Graph Theory

Research

Undergraduate Student Researcher

Grinnell, IA

Grinnell College Statistics Department

June 2019–August 2019

- Performed statistical analysis of the impact of substance use on driving performance focused on secondary task involvement using **R** and **Matlab** collaborated with National Advanced Driving Simulator

Tech Projects

Global Terrorism Database

Grinnell, IA

Grinnell College

August 2019–January 2020

- Developed **R Shiny app** including world map of terrorism events and various visualization statistical plots for providing easier understanding Global Terrorism Database patterns

[Information Retrieval] Sm(all G)oogLe

Grinnell, IA

Grinnell College

September 2019

- Built a web search engine with **Python** that shows relevant web sites to a user query by the Page Rank algorithm and tf-idf (term frequency–inverse document frequency) score from dictionary

[HACKISU] ShelfR

Ames, IA

Iowa State University

October 2018

- Used **Android Studio (Java)** to develop a mobile application that helps the user to keep track of the expiration date of food in the process of purchase and consumption in order to solve food waste problem caused by spoiled food

[hackGC] pieG (Positive Interview Experience Generator)

Grinnell, IA

Grinnell College Wilson Center for Innovation and Leadership

April 2018

- Used **C** to create a program during hackathon to reduce questioning bias during the interview process by recognizing preventative and promotional words and generating better questions, inspired by a talk about the gender equity issue regarding venture capitalist funding interviews by Erin Owen (Grinnell College '94)

Teaching & Outreach Experience

Teaching Assistant

Grinnell, IA

Grinnell College Computer Science

Aug 2018–Present

- Mentored the introductory CS course of Grinnell College (Functional Problem Solving) by conducting weekly mentor sessions with practice quizzes and helping students during lab (Spring 2019, Fall 2019)
- Graded assignments from 34 students of an introductory CS course (Functional Problem Solving) (Fall 2018)

Undergraduate Student Researcher

Grinnell, IA

Grinnell College Computer Science Department

May 2018–August 2018

- Developed and implemented curricula for three summer coding camps with the purpose of increasing self-efficacy and inclusion in the technology field by early exposure under the theme of “Coding for Social Good and Beyond”: block-based languages, **Python**, **HTML** and **Scheme**
- Presented “Coding for Social Good and Beyond” at SIGCSE 2019 and Grinnell College Family Weekend