

Elizabeth Kirstein

(425) 492 4468 | ekirstei@stevens.edu | <https://www.linkedin.com/in/elizabeth-kirstein-885b53298/> | Woodinville, WA

EDUCATION

Stevens Institute of Technology – School of Engineering and Science

Hoboken, NJ

Bachelor of Science in Computer Science

Expected Spring 2027

GPA: 3.30/4.00 | Scholarships: Presidential, Martha Bayard, Edwin A. Stevens | **Student Athlete**

PROJECT WORK

University of Washington CSE 163 – General Study Topics

Fall 2022 – Spring 2023

- Studied multiple topics including machine learning, neural networks, algorithmic efficiency, geospatial data, hashing, convolutions, ethics, fairness, and privacy.

Income Inequality Final Project CSE 163

Spring 2023

- Collected, analyzed, and modeled national US income and inflation data. Merged, filtered and graphed trends to derive conclusions for initial research questions.
- Determined biases and limitations in the data to develop future research questions.

Spreadsheet

Fall 2021

- Developed a spreadsheet app in Java that supported integers, doubles, strings, and dates.
- Ability to sort ascending or descending and add formulas for addition, subtraction, multiplication, division, average, and sum.

Shifteez Web App

Spring 2022

- Invented and developed a web app allowing hourly wage workers to post personal shifts to a public calendar where other workers could swap or cover a posted shift.
- Supported monthly and weekly calendar views and ensured shifts would not overlap.

WORK EXPERIENCE

Dropsuite – Software Engineer Intern

Summer 2024

- Built a program that finds personally identifiable information and calculates a risk score based on the PII and level of sharing for each document in an S3 bucket using Amazon Web Services Macie.
- Built a program that flags emails for dangerous links containing either malware, social engineering, or unwanted software using Google Cloud's Web Risk API.
- Presented my proof of concept for both projects during the company's bi-weekly sprint reviews.

Stevens Institute of Technology – Course Assistant for CS115 Intro to Computer Science

Fall 2024

- Teach a two-hour lab each week where students are given a coding assignment based on the week's lectures.
- Grade lab assignments, homework assignments, and tests.
- Host office hours each week where students can come in and get one-on-one help with assignments and topics from lectures.

TECHNICAL SKILLS

Python, Java, C++, Amazon Web Services, Google Cloud Web Services, Databases, SQLite, JavaScript, CSS, HTML